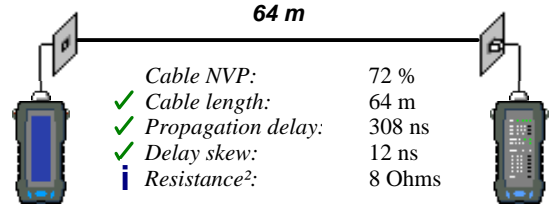




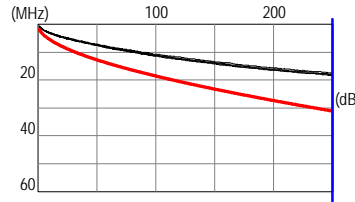
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:13 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3018)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3066)
 Profile: Default Cat 6
 Operator: Dennis

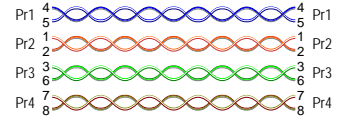


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 18.5
Limit (dB): 31.1
Margin (dB): 12.6
Frequency (MHz): 250.00

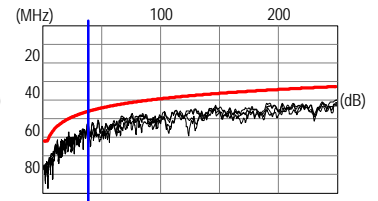
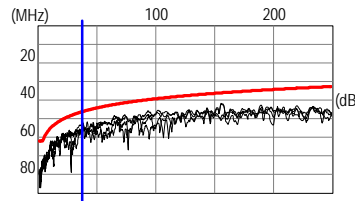


Wiremap (pairing T568B)



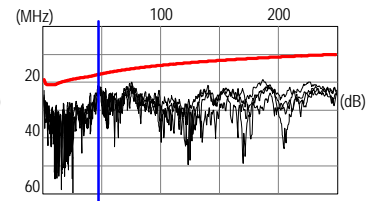
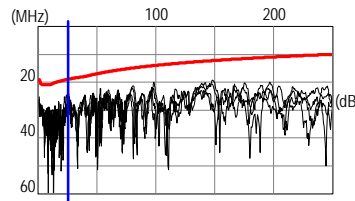
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	51.7	51.8
Limit (dB):	46.2	46.1
Margin (dB):	5.5	5.7
Frequency (MHz):	37.75	38.50



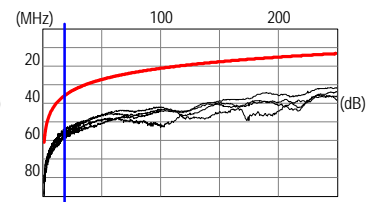
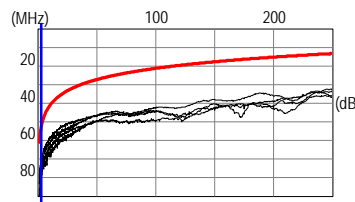
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	24.2	21.1
Limit (dB):	19.0	17.3
Margin (dB):	5.2	3.8
Frequency (MHz):	25.75	47.25



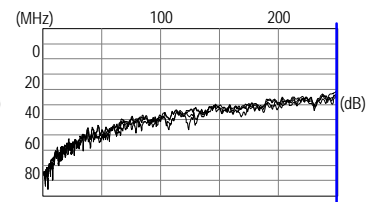
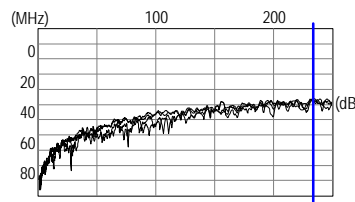
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	69.4	53.2
Limit (dB):	53.2	36.0
Margin (dB):	16.2	17.2
Frequency (MHz):	2.50	18.25



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	25.6	21.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	233.50	249.50



Networks tested

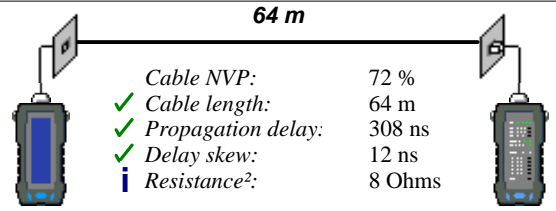
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



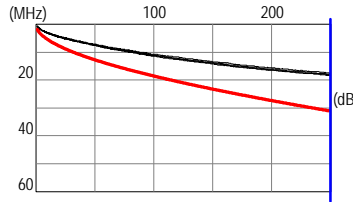
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:13 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3018)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3066)
 Profile: Default Cat 6
 Operator: Dennis

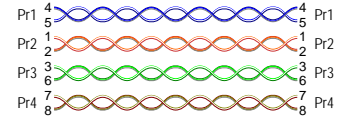


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 18.5
Limit (dB): 31.1
Margin (dB): 12.6
Frequency (MHz): 250.00

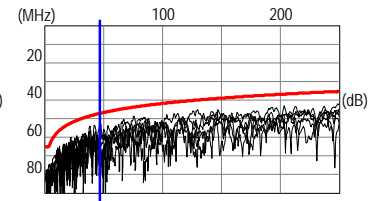
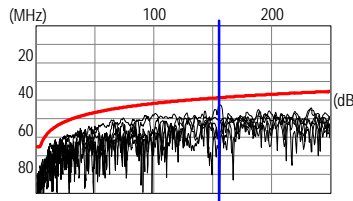


Wiremap (pairing T568B)



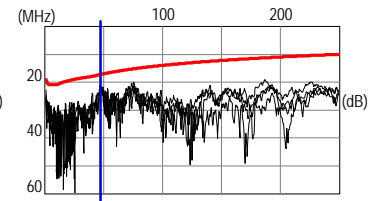
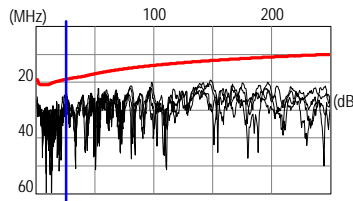
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	1-2
Value (dB):	42.1	51.7
Limit (dB):	38.7	47.1
Margin (dB):	3.4	4.6
Frequency (MHz):	155.50	47.00



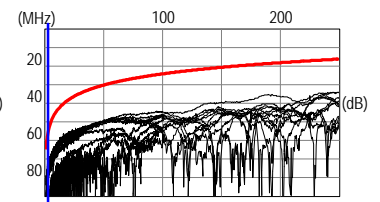
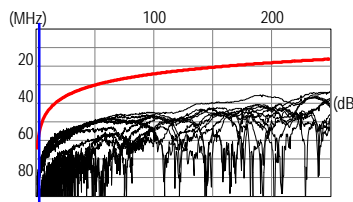
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	24.2	21.1
Limit (dB):	19.0	17.3
Margin (dB):	5.2	3.8
Frequency (MHz):	25.75	47.25



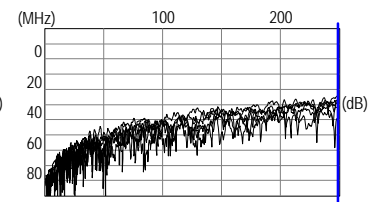
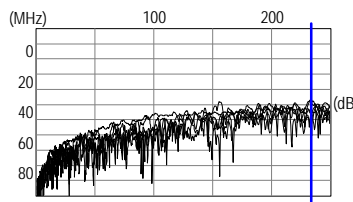
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	71.8	71.8
Limit (dB):	56.2	56.2
Margin (dB):	15.6	15.6
Frequency (MHz):	2.50	2.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	26.6	23.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	233.50	249.00



Networks tested

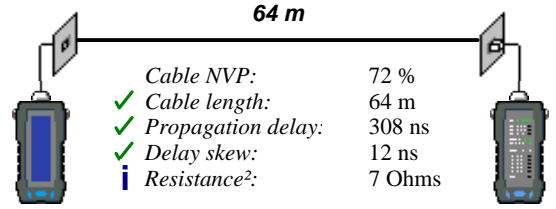
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



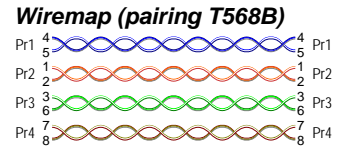
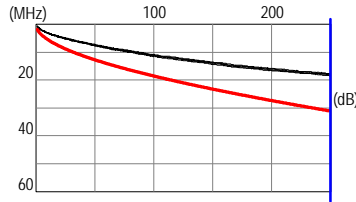
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:14 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3019)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3067)
 Profile: Default Cat 6
 Operator: Dennis



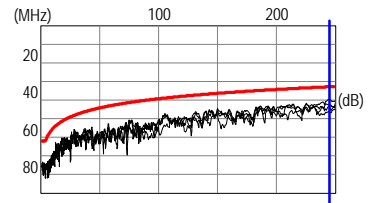
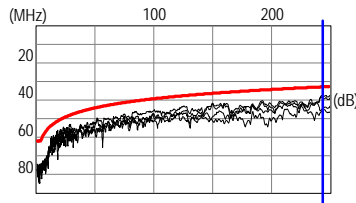
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 18.6
Limit (dB): 31.1
Margin (dB): 12.5
Frequency (MHz): 250.00



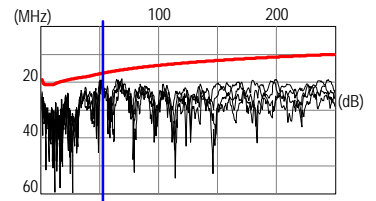
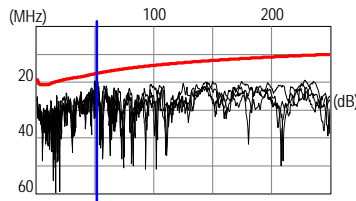
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 37.5 39.5
Limit (dB): 32.9 32.9
Margin (dB): 4.6 6.6
Frequency (MHz): 243.50 245.00



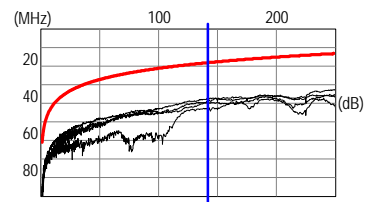
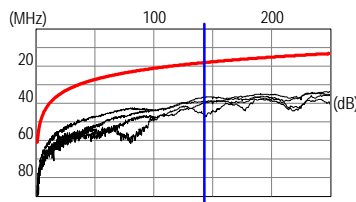
✓ **Return Loss (dB) @WS @DR**

Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 19.4 18.9
Limit (dB): 16.9 16.8
Margin (dB): 2.5 2.1
Frequency (MHz): 51.50 52.50



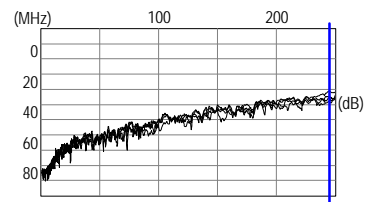
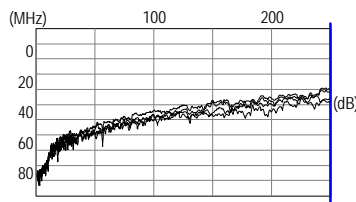
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 2 (1,2) 2 (1,2)
Value (dB): 36.5 37.3
Limit (dB): 18.1 18.2
Margin (dB): 18.4 19.1
Frequency (MHz): 143.00 142.00



i **PowerSum ACR² (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 18.9 21.2
Limit (dB): 31.1 31.1
Margin (dB): 12.2 19.5
Frequency (MHz): 250.00 245.00



Networks tested

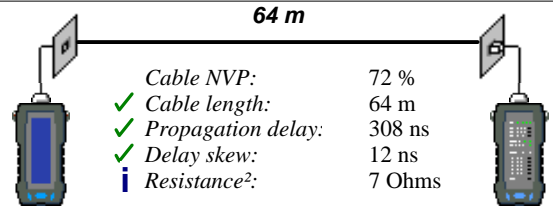
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



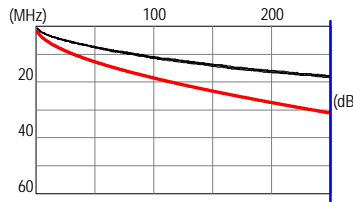
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:14 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3019)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3067)
 Profile: Default Cat 6
 Operator: Dennis

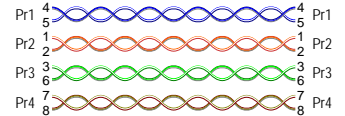


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 18.6
Limit (dB): 31.1
Margin (dB): 12.5
Frequency (MHz): 250.00

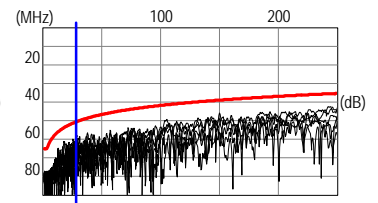
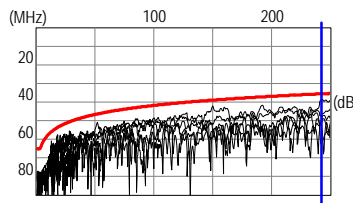


Wiremap (pairing T568B)



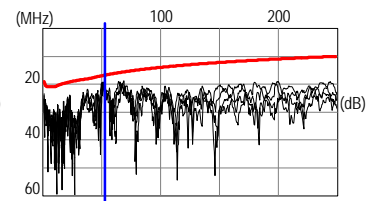
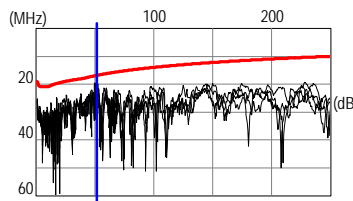
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	38.6	57.5
Limit (dB):	35.6	50.7
Margin (dB):	3.0	6.8
Frequency (MHz):	242.50	28.38



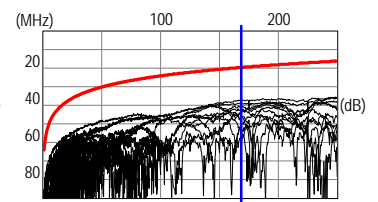
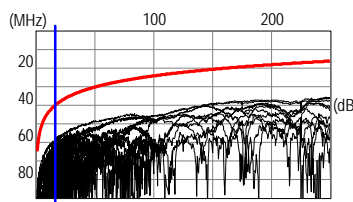
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	19.4	18.9
Limit (dB):	16.9	16.8
Margin (dB):	2.5	2.1
Frequency (MHz):	51.50	52.50



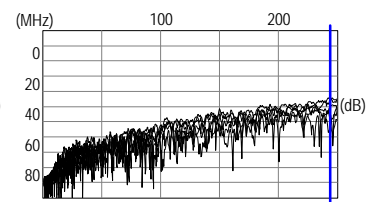
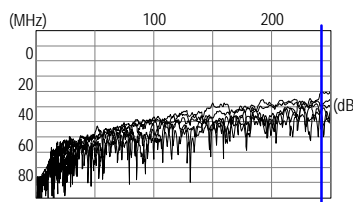
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	2-1
Value (dB):	57.6	37.1
Limit (dB):	40.0	19.7
Margin (dB):	17.6	17.4
Frequency (MHz):	16.25	168.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-2
Value (dB):	20.4	24.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	242.50	244.00



Networks tested

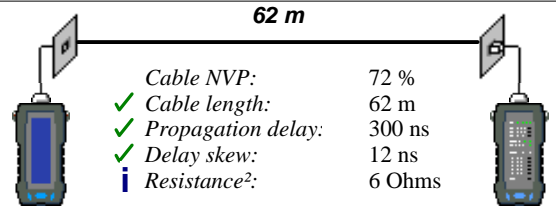
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

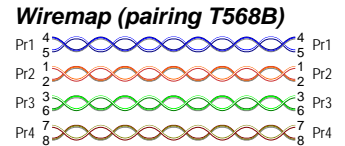
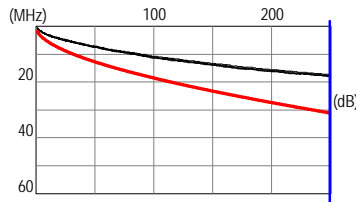


Cable Certification Report (PowerSum data)

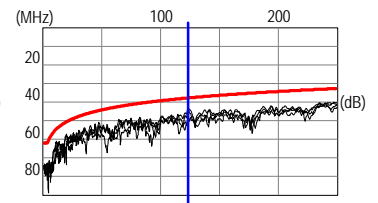
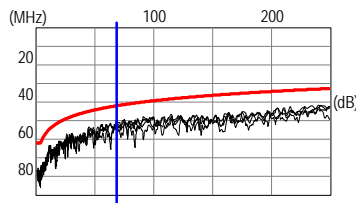
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:23 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3022)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3069)
Profile: Default Cat 6
Operator: Dennis



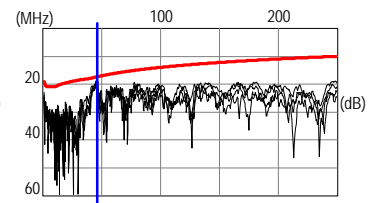
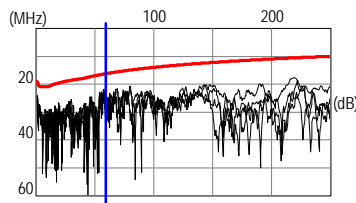
Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 18.2
Limit (dB): 31.1
Margin (dB): 12.9
Frequency (MHz): 249.50



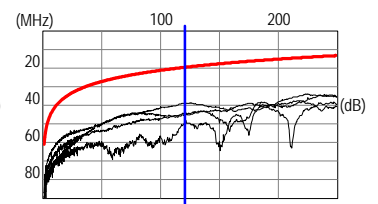
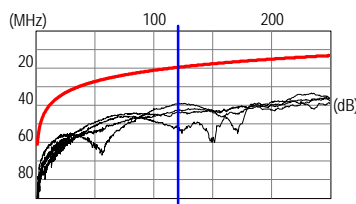
PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 49.7 43.1
Limit (dB): 42.0 37.8
Margin (dB): 7.7 5.3
Frequency (MHz): 68.50 123.50



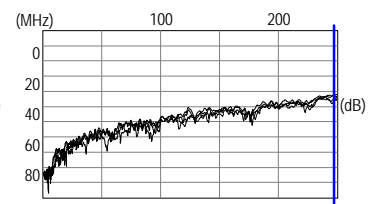
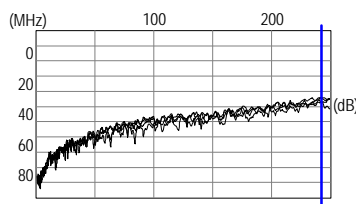
Return Loss (dB) @WS @DR
Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 21.5 17.8
Limit (dB): 16.3 17.4
Margin (dB): 5.2 0.4
Frequency (MHz): 59.25 46.00



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 3 (3,6) 2 (1,2)
Value (dB): 38.9 38.7
Limit (dB): 19.6 19.6
Margin (dB): 19.3 19.1
Frequency (MHz): 120.50 120.50



PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 24.0 21.9
Limit (dB): 40.0 40.0
Margin (dB): 16.0 18.1
Frequency (MHz): 242.50 247.50



Networks tested

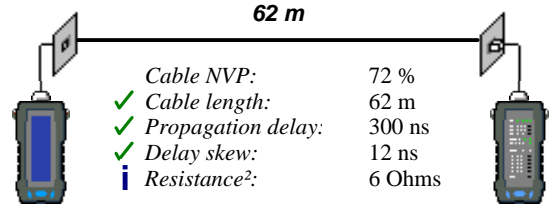
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



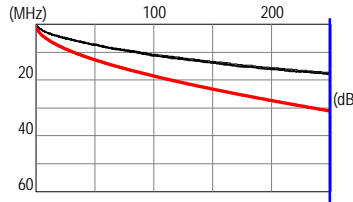
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:23 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3022)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3069)
Profile: Default Cat 6
Operator: Dennis

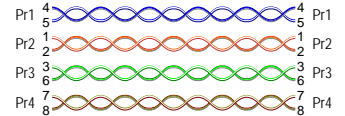


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 18.2
Limit (dB): 31.1
Margin (dB): 12.9
Frequency (MHz): 249.50

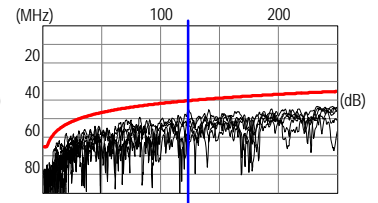
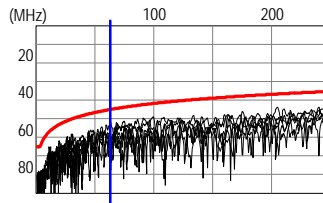


Wiremap (pairing T568B)



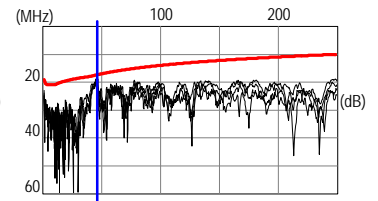
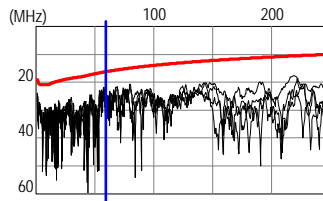
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-4
Value (dB):	52.0	45.0
Limit (dB):	45.1	40.4
Margin (dB):	6.9	4.6
Frequency (MHz):	63.25	123.50



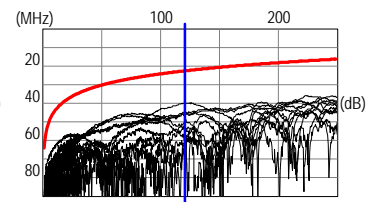
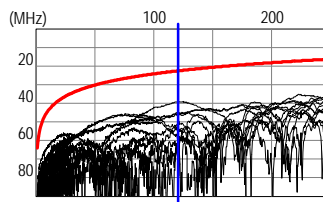
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	21.5	17.8
Limit (dB):	16.3	17.4
Margin (dB):	5.2	0.4
Frequency (MHz):	59.25	46.00



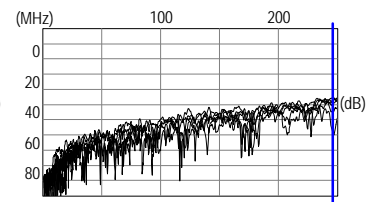
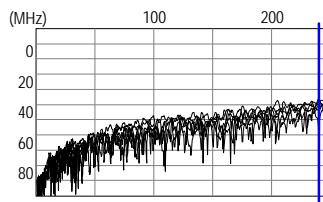
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-2	3-2
Value (dB):	38.9	39.6
Limit (dB):	22.6	22.6
Margin (dB):	16.3	17.0
Frequency (MHz):	120.50	120.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-4	1-3
Value (dB):	26.3	25.4
Limit (dB):		
Margin (dB):		
Frequency (MHz):	240.00	246.00



Networks tested

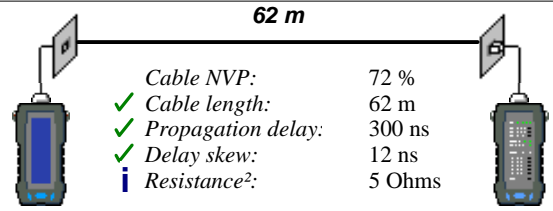
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

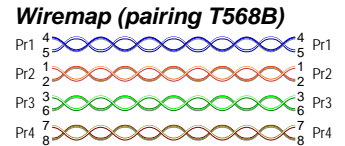
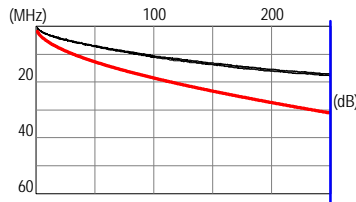


Cable Certification Report (PowerSum data)

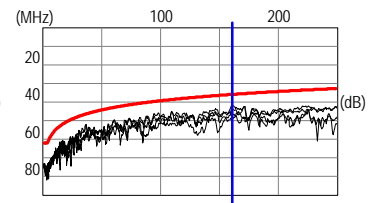
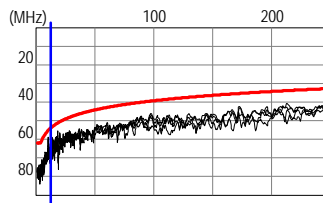
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:24 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3023)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3070)
Profile: Default Cat 6
Operator: Dennis



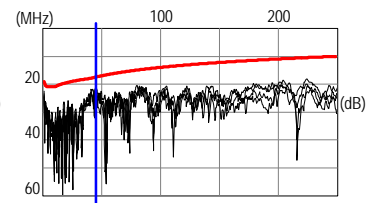
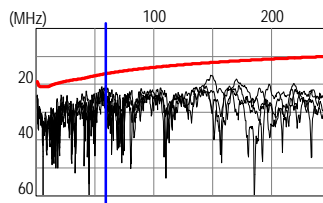
✓ Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 17.9
Limit (dB): 31.1
Margin (dB): 13.2
Frequency (MHz): 250.00



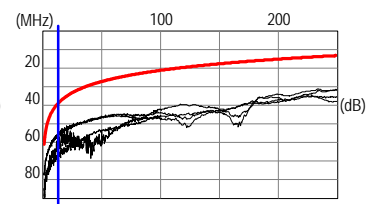
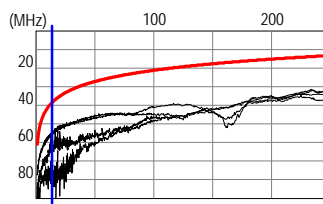
✓ PowerSum NEXT (dB) @WS @DR
Worst pair: 2 (1,2) 3 (3,6)
Value (dB): 57.5 41.5
Limit (dB): 53.8 35.9
Margin (dB): 3.7 5.6
Frequency (MHz): 12.75 161.00



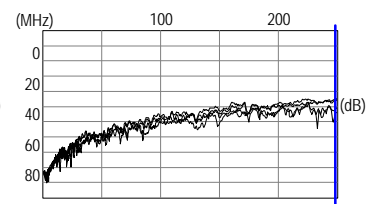
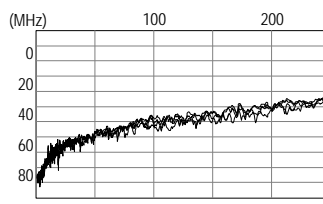
✓ Return Loss (dB) @WS @DR
Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 20.2 21.4
Limit (dB): 16.3 17.5
Margin (dB): 3.9 3.9
Frequency (MHz): 59.25 45.00



✓ PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 53.0 53.9
Limit (dB): 38.7 38.8
Margin (dB): 14.3 15.1
Frequency (MHz): 13.38 13.25



i PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 23.7 24.5
Limit (dB): 40
Margin (dB): 16.3 15.5
Frequency (MHz): 250.00 248.50



Networks tested

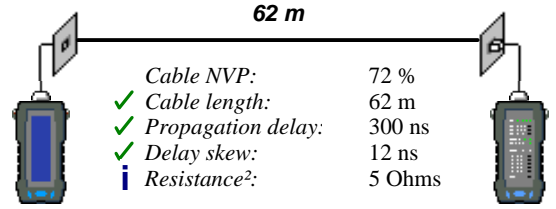
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



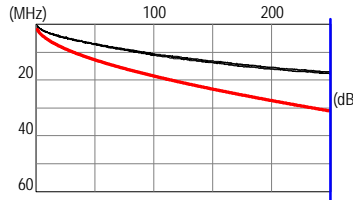
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:24 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3023)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3070)
 Profile: Default Cat 6
 Operator: Dennis

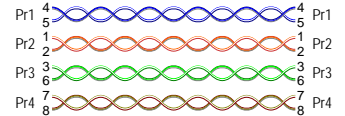


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 17.9
Limit (dB): 31.1
Margin (dB): 13.2
Frequency (MHz): 250.00

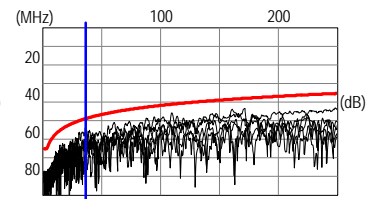
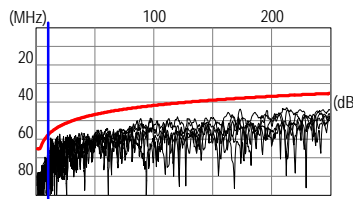


Wiremap (pairing T568B)



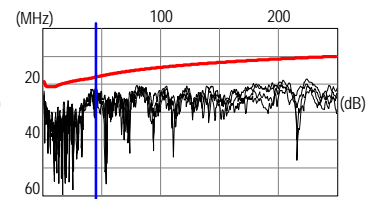
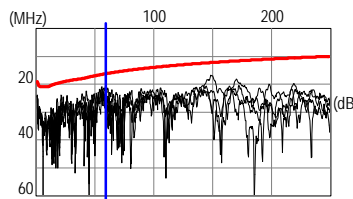
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	60.6	53.4
Limit (dB):	57.7	48.9
Margin (dB):	2.9	4.5
Frequency (MHz):	10.25	36.50



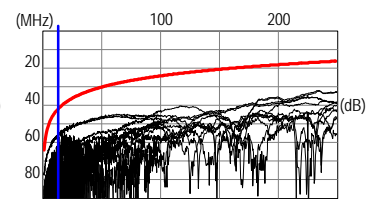
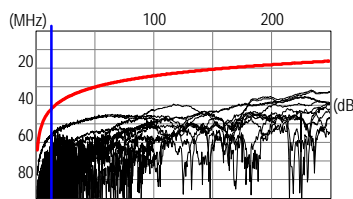
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.2	21.4
Limit (dB):	16.3	17.5
Margin (dB):	3.9	3.9
Frequency (MHz):	59.25	45.00



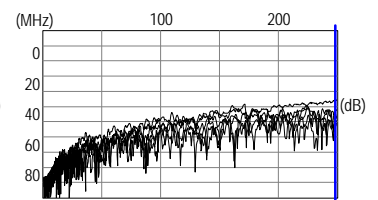
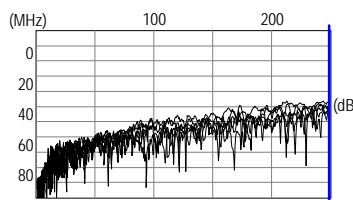
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	53.9	54.0
Limit (dB):	41.7	41.7
Margin (dB):	12.2	12.3
Frequency (MHz):	13.25	13.25



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-2
Value (dB):	26.2	25.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.00	248.50



Networks tested

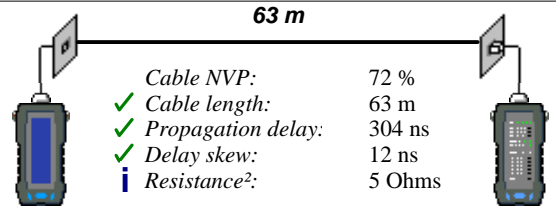
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



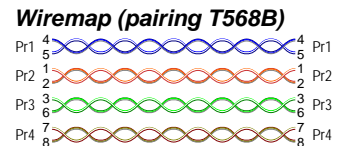
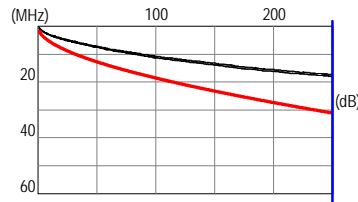
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:27 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3024)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3071)
 Profile: Default Cat 6
 Operator: Dennis



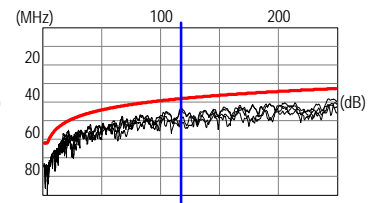
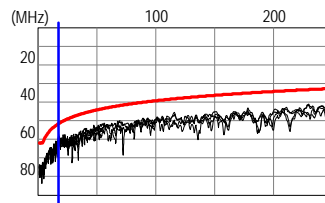
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 18.2
Limit (dB): 31.1
Margin (dB): 12.9
Frequency (MHz): 250.00



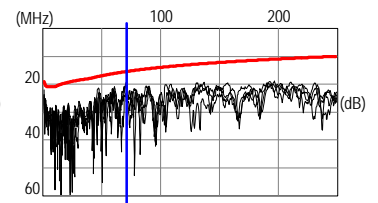
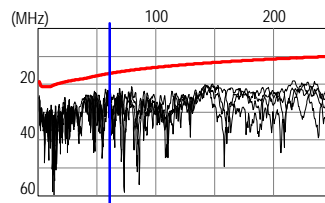
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 56.9 43.1
Limit (dB): 51.6 38.2
Margin (dB): 5.3 4.9
Frequency (MHz): 17.63 117.50



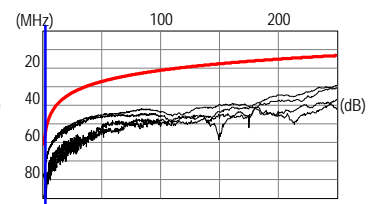
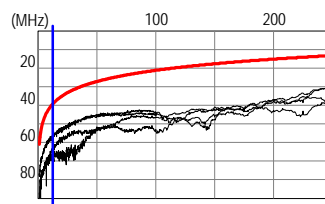
✓ **Return Loss (dB) @WS @DR**

Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 20.8 19.3
Limit (dB): 16.2 15.5
Margin (dB): 4.6 3.8
Frequency (MHz): 61.00 71.00



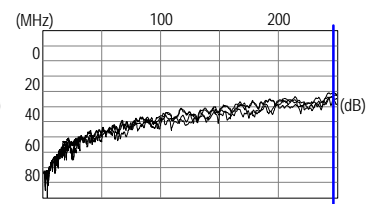
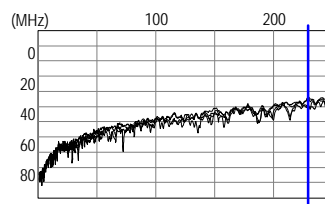
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 54.4 68.1
Limit (dB): 39.1 53.7
Margin (dB): 15.3 14.4
Frequency (MHz): 12.75 2.38



i **PowerSum ACR² (dB) @WS @DR**

Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 23.9 20.9
Limit (dB): 31.1 38.2
Margin (dB): 7.2 17.3
Frequency (MHz): 229.50 247.00



Networks tested

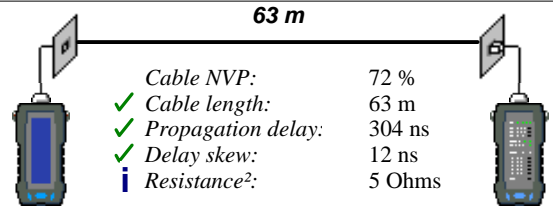
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



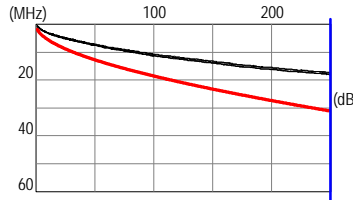
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:27 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3024)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3071)
 Profile: Default Cat 6
 Operator: Dennis

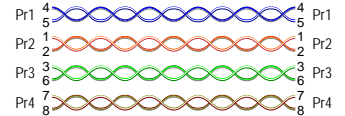


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 18.2
Limit (dB): 31.1
Margin (dB): 12.9
Frequency (MHz): 250.00

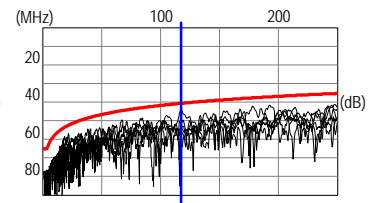
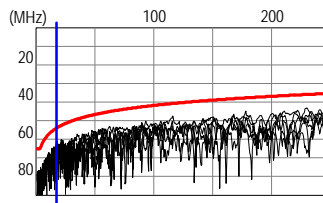


Wiremap (pairing T568B)



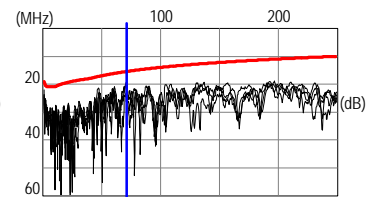
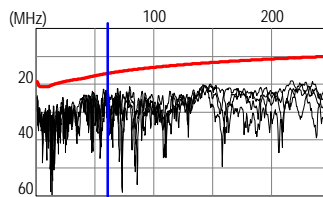
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	1-4
Value (dB):	60.5	44.3
Limit (dB):	53.9	40.7
Margin (dB):	6.6	3.6
Frequency (MHz):	17.63	117.50



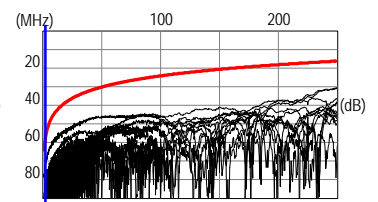
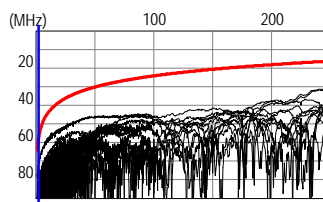
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	20.8	19.3
Limit (dB):	16.2	15.5
Margin (dB):	4.6	3.8
Frequency (MHz):	61.00	71.00



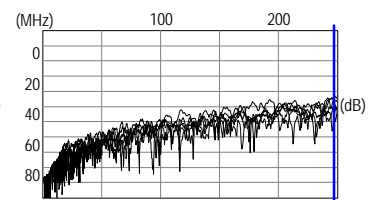
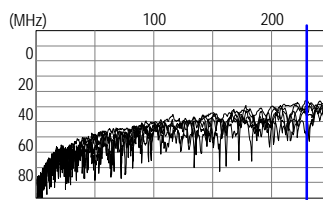
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	69.2	69.0
Limit (dB):	56.7	56.7
Margin (dB):	12.5	12.3
Frequency (MHz):	2.38	2.38



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	25.8	23.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	230.00	247.50



Networks tested

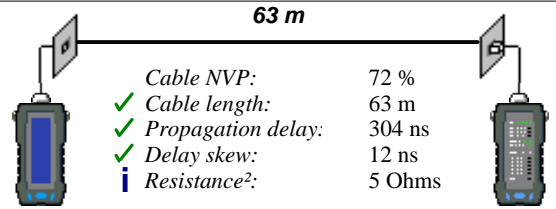
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

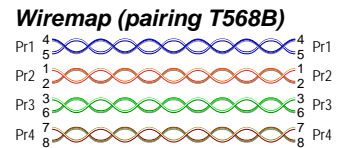
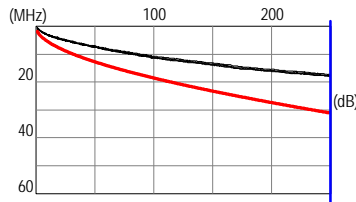


Cable Certification Report (PowerSum data)

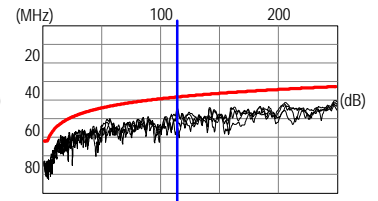
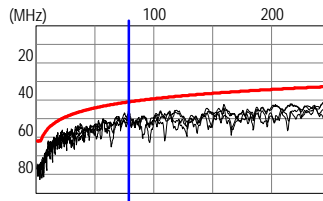
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:28 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3025)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3072)
Profile: Default Cat 6
Operator: Dennis



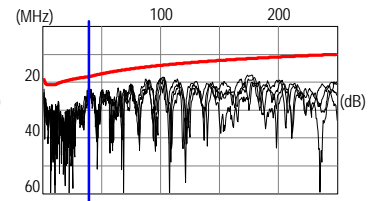
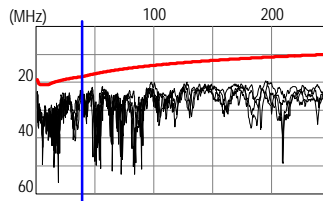
✓ Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 18.1
Limit (dB): 31.1
Margin (dB): 13.0
Frequency (MHz): 250.00



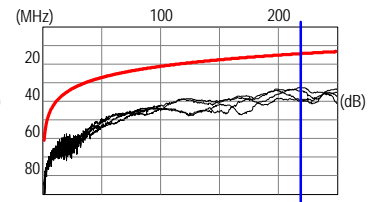
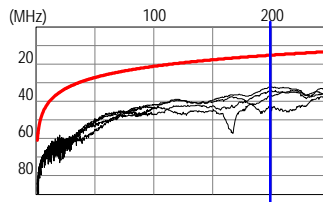
✓ PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 45.9 44.3
Limit (dB): 41.0 38.4
Margin (dB): 4.9 5.9
Frequency (MHz): 78.75 114.00



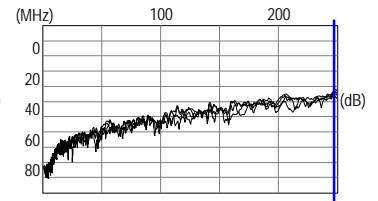
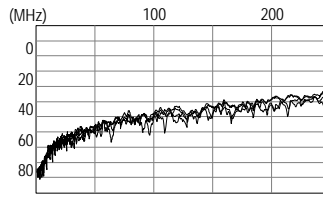
✓ Return Loss (dB) @WS @DR
Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 22.1 21.7
Limit (dB): 18.0 18.0
Margin (dB): 4.1 3.7
Frequency (MHz): 39.00 39.00



✓ PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 4 (7,8) 2 (1,2)
Value (dB): 32.1 32.5
Limit (dB): 15.2 14.4
Margin (dB): 16.9 18.1
Frequency (MHz): 199.00 219.00



i PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 22.8 22.2
Limit (dB): 40.0 40.0
Margin (dB): 17.2 17.8
Frequency (MHz): 248.50 247.50



Networks tested

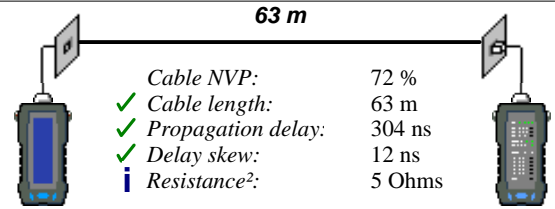
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



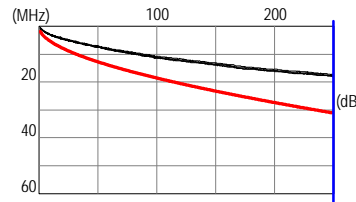
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:28 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3025)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3072)
 Profile: Default Cat 6
 Operator: Dennis

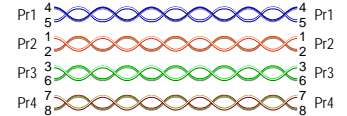


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 18.1
Limit (dB): 31.1
Margin (dB): 13.0
Frequency (MHz): 250.00

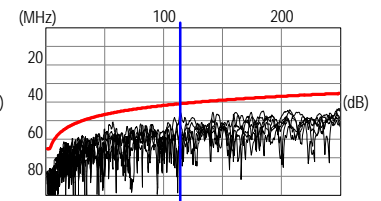
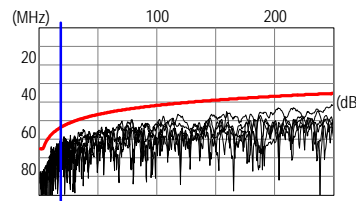


Wiremap (pairing T568B)



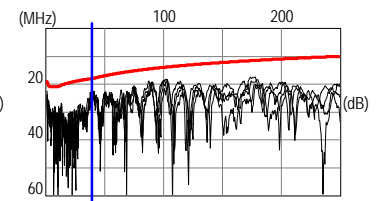
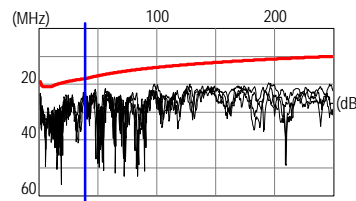
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	2-4
Value (dB):	58.4	45.6
Limit (dB):	53.7	40.9
Margin (dB):	4.7	4.7
Frequency (MHz):	18.25	114.00



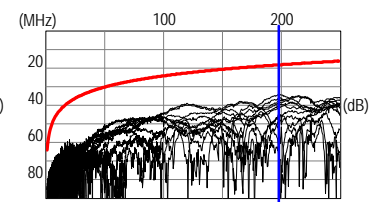
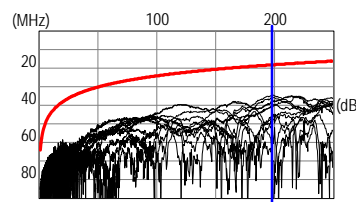
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	22.1	21.7
Limit (dB):	18.0	18.0
Margin (dB):	4.1	3.7
Frequency (MHz):	39.00	39.00



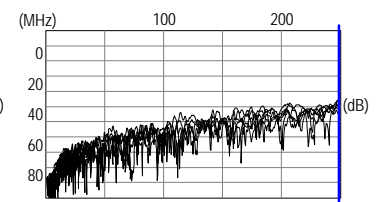
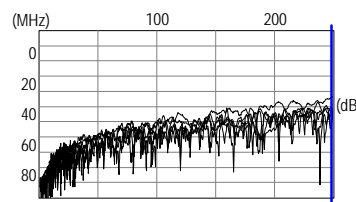
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-3	4-3
Value (dB):	34.6	34.1
Limit (dB):	18.3	18.3
Margin (dB):	16.3	15.8
Frequency (MHz):	198.00	198.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-3
Value (dB):	23.5	25.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	249.00



Networks tested

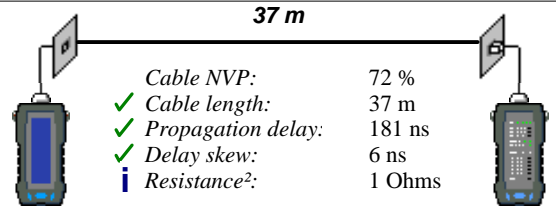
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

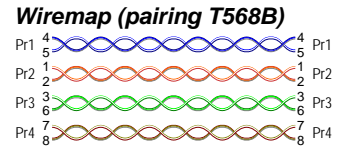
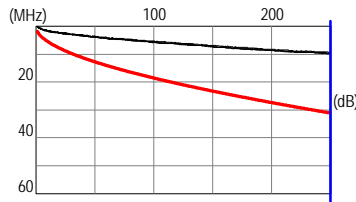


Cable Certification Report (PowerSum data)

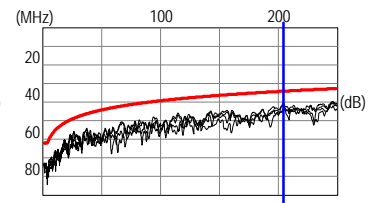
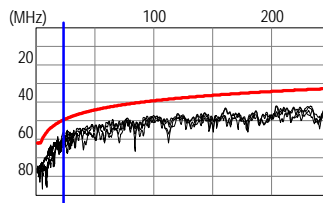
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:36 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3030)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3076)
Profile: Default Cat 6
Operator: Dennis



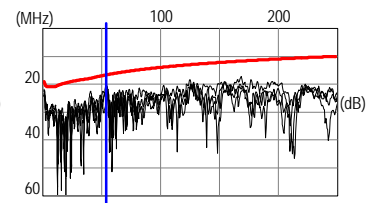
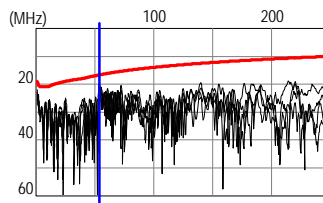
Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 9.9
Limit (dB): 31.1
Margin (dB): 21.2
Frequency (MHz): 250.00



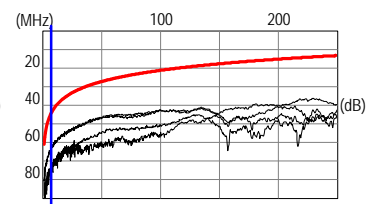
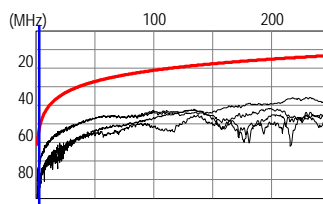
PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 2 (1,2)
Value (dB): 55.7 40.7
Limit (dB): 49.6 34.2
Margin (dB): 6.1 6.5
Frequency (MHz): 23.25 204.50



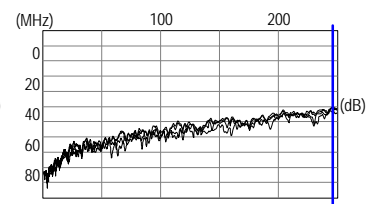
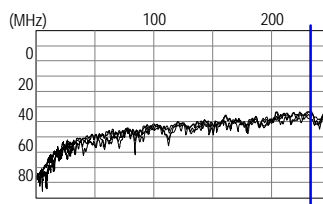
Return Loss (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 19.9 19.9
Limit (dB): 16.7 16.7
Margin (dB): 3.2 3.2
Frequency (MHz): 53.75 53.75



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 70.4 61.7
Limit (dB): 53.2 44.0
Margin (dB): 17.2 17.7
Frequency (MHz): 2.50 7.25



PowerSum ACR² (dB) @WS @DR
Worst pair: 2 (1,2) 1 (4,5)
Value (dB): 33.2 30.1
Limit (dB): 33.2 30.1
Margin (dB): 0 0
Frequency (MHz): 233.00 246.00



Networks tested

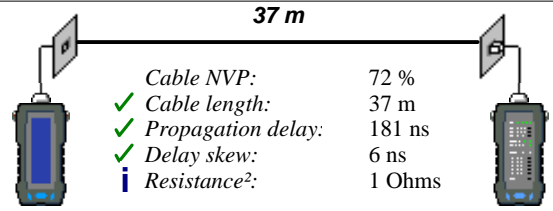
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



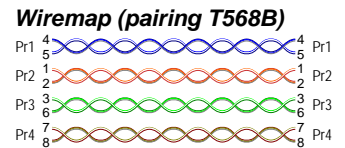
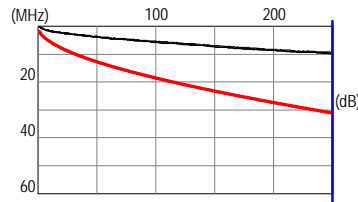
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:36 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3030)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3076)
 Profile: Default Cat 6
 Operator: Dennis



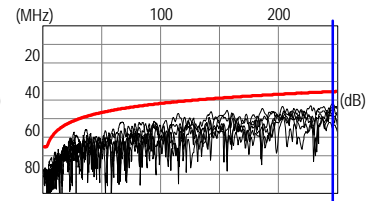
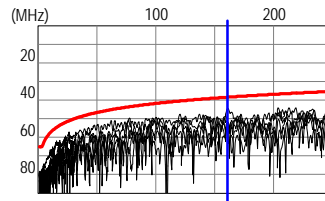
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 9.9
Limit (dB): 31.1
Margin (dB): 21.2
Frequency (MHz): 250.00



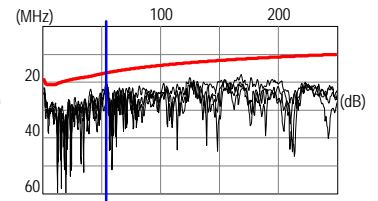
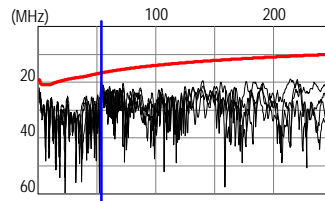
✓ **NEXT (dB)**

	@WS	@DR
Worst combo:	2-4	1-2
Value (dB):	44.4	41.7
Limit (dB):	38.5	35.5
Margin (dB):	5.9	6.2
Frequency (MHz):	161.00	246.00



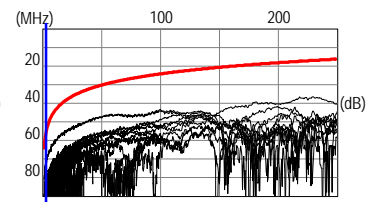
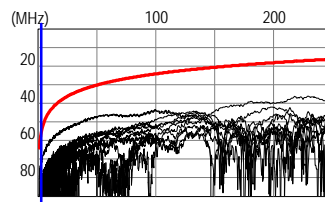
✓ **Return Loss (dB)**

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	19.9	19.9
Limit (dB):	16.7	16.7
Margin (dB):	3.2	3.2
Frequency (MHz):	53.75	53.75



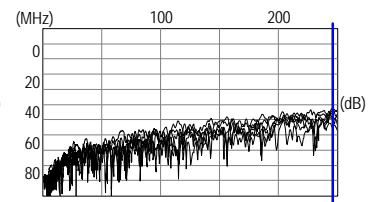
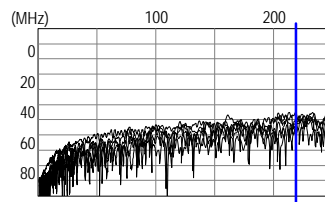
✓ **ELFEXT (dB)**

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	71.0	71.0
Limit (dB):	56.2	56.2
Margin (dB):	14.8	14.8
Frequency (MHz):	2.50	2.50



i **ACR² (dB)**

	@WS	@DR
Worst combo:	3-2	1-2
Value (dB):	35.0	32.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	219.00	246.00



Networks tested

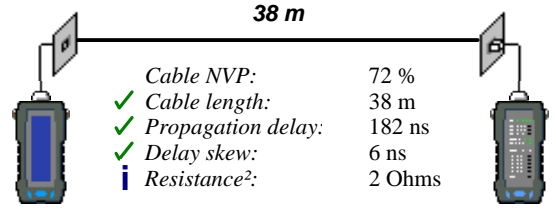
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

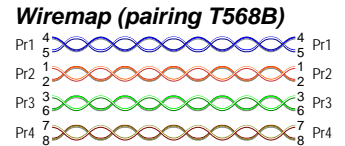
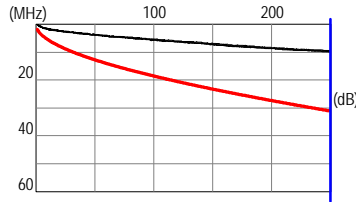


Cable Certification Report (PowerSum data)

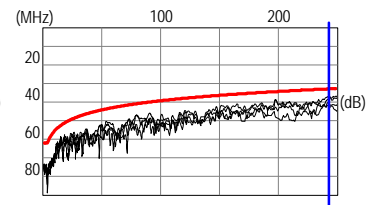
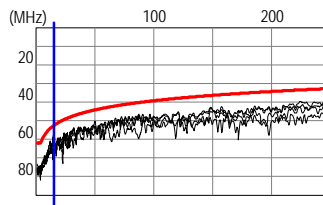
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:34 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3028)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3075)
Profile: Default Cat 6
Operator: Dennis



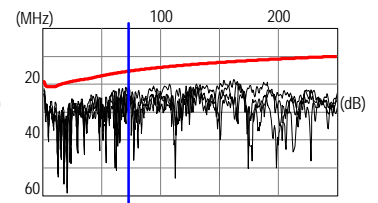
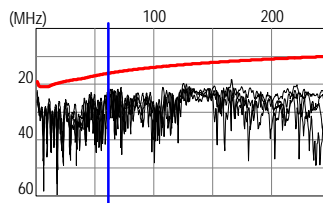
✓ Attenuation (dB)
Worst pair: 1 (4,5)
Value (dB): 9.9
Limit (dB): 31.1
Margin (dB): 21.2
Frequency (MHz): 250.00



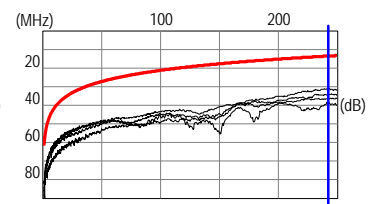
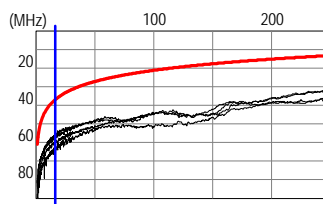
✓ PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 57.8 36.8
Limit (dB): 52.6 32.9
Margin (dB): 5.2 3.9
Frequency (MHz): 15.13 243.00



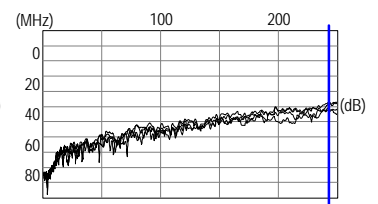
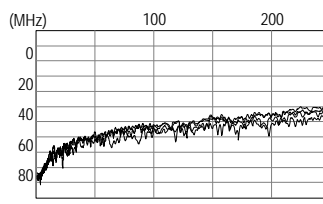
✓ Return Loss (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 21.7 20.9
Limit (dB): 16.1 15.4
Margin (dB): 5.6 5.5
Frequency (MHz): 61.50 73.00



✓ PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 54.7 30.9
Limit (dB): 37.0 13.5
Margin (dB): 17.7 17.4
Frequency (MHz): 16.13 242.50



i PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 29.5 27.2
Limit (dB): (not specified)
Margin (dB): (not specified)
Frequency (MHz): 245.00 243.00



Networks tested

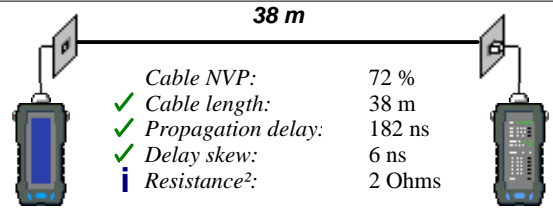
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



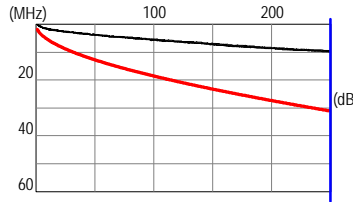
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:34 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3028)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3075)
Profile: Default Cat 6
Operator: Dennis

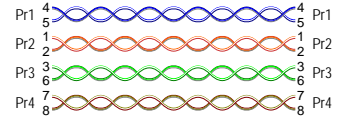


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 9.9
Limit (dB): 31.1
Margin (dB): 21.2
Frequency (MHz): 250.00

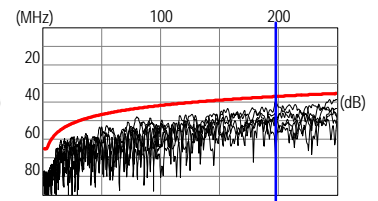
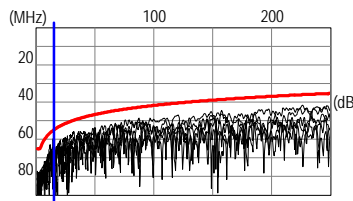


Wiremap (pairing T568B)



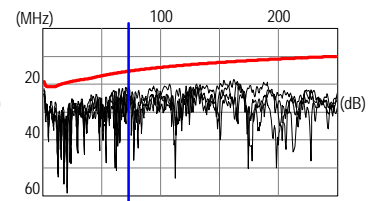
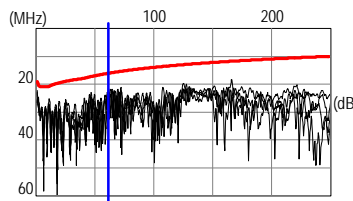
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	2-4
Value (dB):	59.2	39.7
Limit (dB):	55.0	37.0
Margin (dB):	4.2	2.7
Frequency (MHz):	15.13	198.00



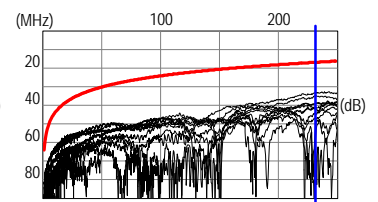
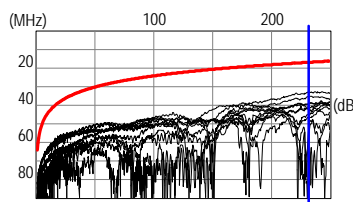
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	21.7	20.9
Limit (dB):	16.1	15.4
Margin (dB):	5.6	5.5
Frequency (MHz):	61.50	73.00



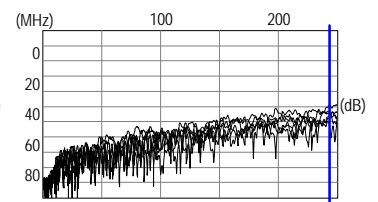
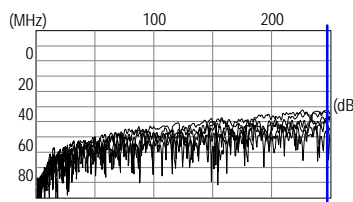
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-4	1-4
Value (dB):	32.7	32.9
Limit (dB):	16.9	16.9
Margin (dB):	15.8	16.0
Frequency (MHz):	231.50	231.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	32.1	28.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	247.50	243.50



Networks tested

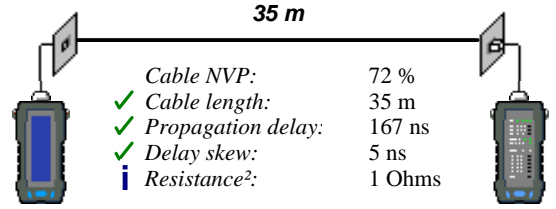
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



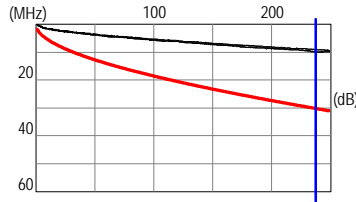
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:41 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3032)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3078)
Profile: Default Cat 6
Operator: Dennis

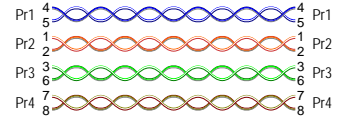


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 10.1
Limit (dB): 30.2
Margin (dB): 20.1
Frequency (MHz): 237.50

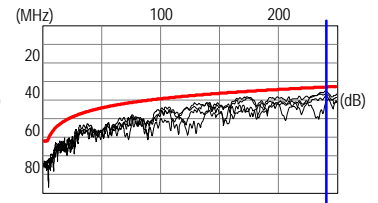
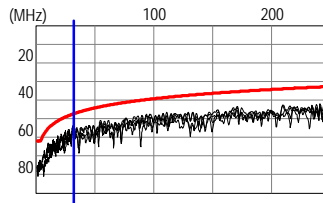


Wiremap (pairing T568B)



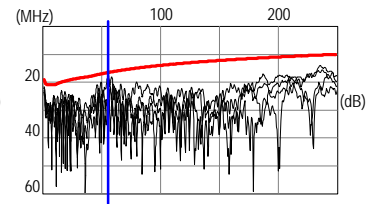
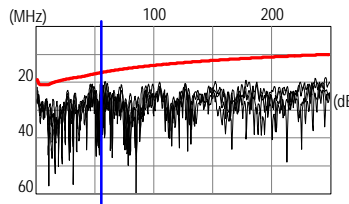
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	53.2	35.0
Limit (dB):	47.3	33.0
Margin (dB):	5.9	2.0
Frequency (MHz):	32.25	240.50



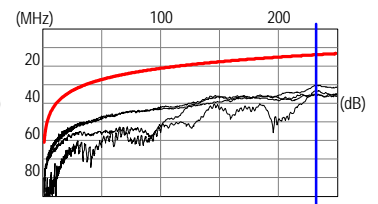
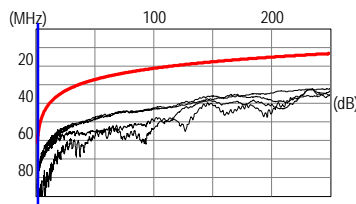
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	19.7	17.6
Limit (dB):	16.6	16.6
Margin (dB):	3.1	1.0
Frequency (MHz):	55.25	55.50



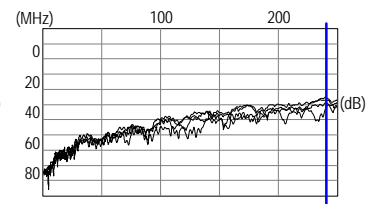
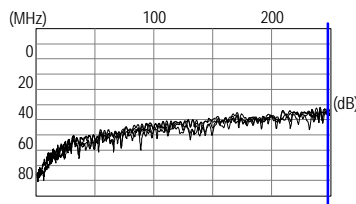
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	73.6	30.4
Limit (dB):	55.7	13.9
Margin (dB):	17.9	16.5
Frequency (MHz):	1.88	232.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	32.0	25.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.00	240.50



Networks tested

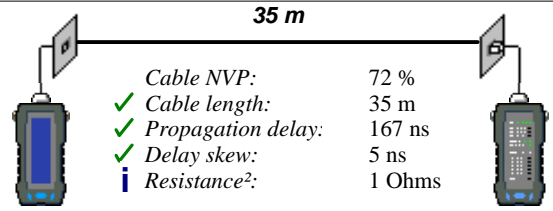
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



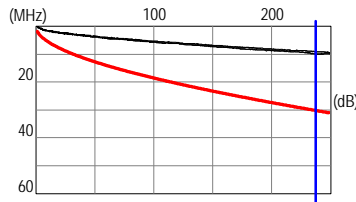
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:41 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3032)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3078)
Profile: Default Cat 6
Operator: Dennis

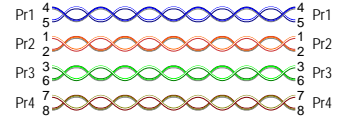


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 10.1
Limit (dB): 30.2
Margin (dB): 20.1
Frequency (MHz): 237.50

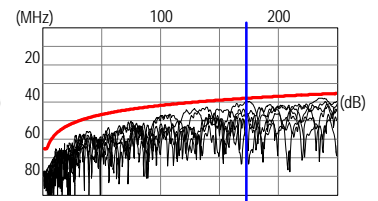
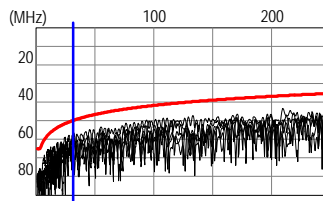


Wiremap (pairing T568B)



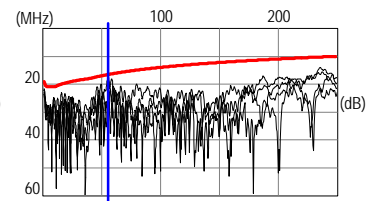
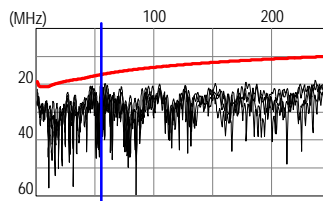
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	56.1	39.7
Limit (dB):	50.0	38.0
Margin (dB):	6.1	1.7
Frequency (MHz):	31.25	173.00



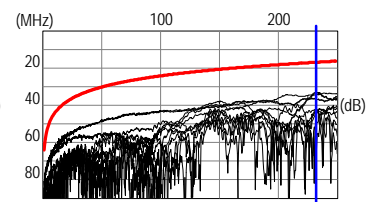
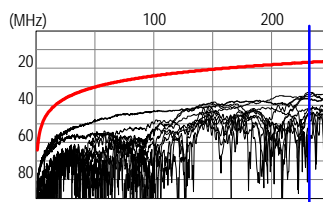
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	19.7	17.6
Limit (dB):	16.6	16.6
Margin (dB):	3.1	1.0
Frequency (MHz):	55.25	55.50



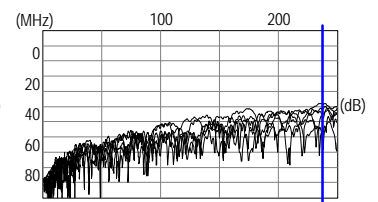
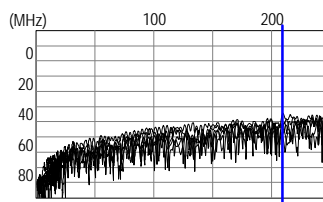
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	33.0	33.1
Limit (dB):	16.9	16.9
Margin (dB):	16.1	16.2
Frequency (MHz):	232.00	232.00



i ACR² (dB)

	@WS	@DR
Worst combo:	1-4	1-3
Value (dB):	34.3	27.8
Limit (dB):		
Margin (dB):		
Frequency (MHz):	209.50	237.50



Networks tested

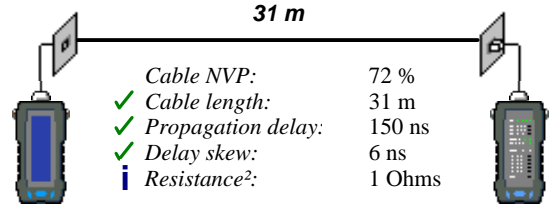
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

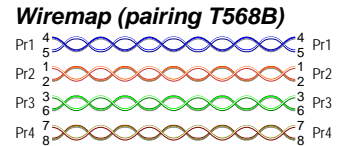
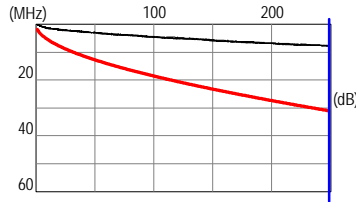


Cable Certification Report (PowerSum data)

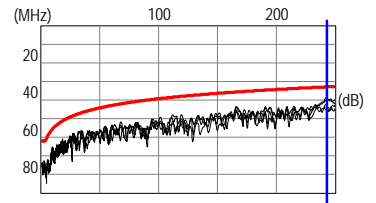
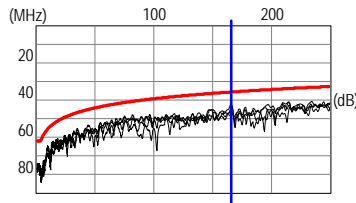
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:45 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3034)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3080)
Profile: Default Cat 6
Operator: Dennis



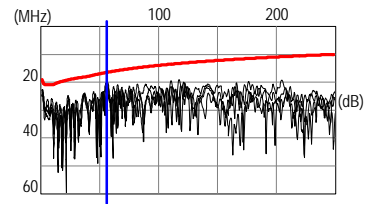
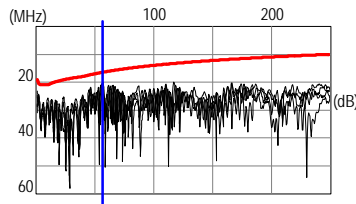
Attenuation (dB)
Worst pair: 1 (4,5)
Value (dB): 7.9
Limit (dB): 31.0
Margin (dB): 23.1
Frequency (MHz): 249.00



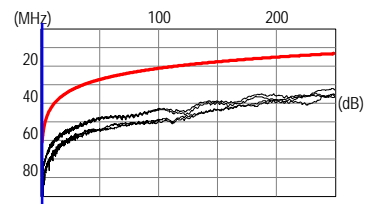
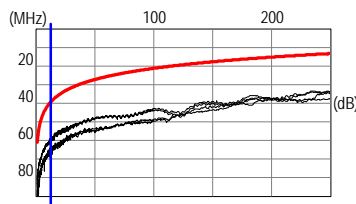
PowerSum NEXT (dB) @WS @DR
Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 41.8 38.7
Limit (dB): 35.7 32.9
Margin (dB): 6.1 5.8
Frequency (MHz): 166.00 243.00



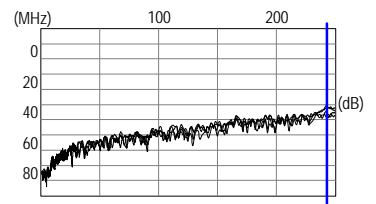
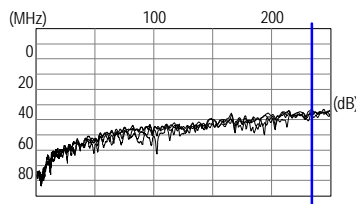
Return Loss (dB) @WS @DR
Worst pair: 2 (1,2) 1 (4,5)
Value (dB): 19.9 20.1
Limit (dB): 16.5 16.5
Margin (dB): 3.4 3.6
Frequency (MHz): 56.50 56.00



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 58.0 78.6
Limit (dB): 39.3 60.2
Margin (dB): 18.7 18.4
Frequency (MHz): 12.50 1.13



PowerSum ACR² (dB) @WS @DR
Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 33.2 31.0
Limit (dB): 31.0 31.0
Margin (dB): 2.2 0.0
Frequency (MHz): 234.00 243.00



Networks tested

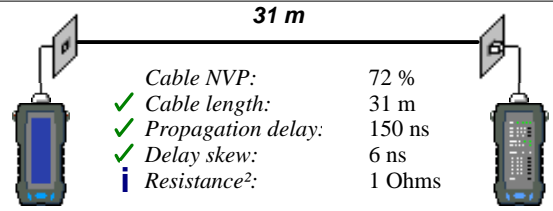
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



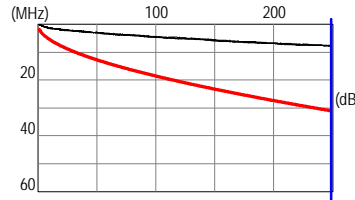
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:45 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3034)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3080)
 Profile: Default Cat 6
 Operator: Dennis

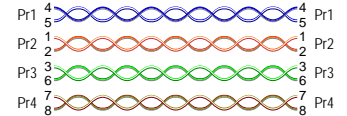


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.9
Limit (dB): 31.0
Margin (dB): 23.1
Frequency (MHz): 249.00

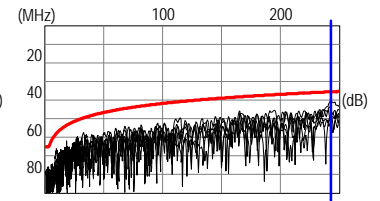
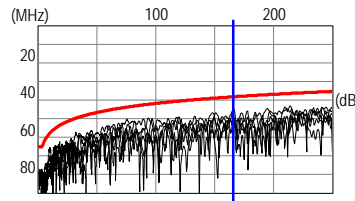


Wiremap (pairing T568B)



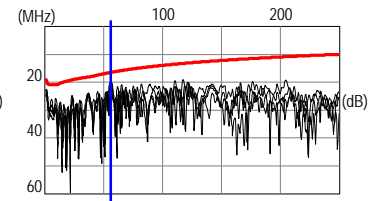
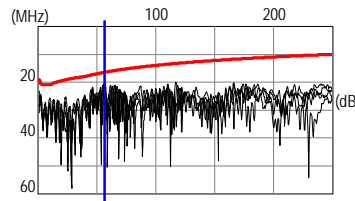
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	3-4
Value (dB):	44.2	40.3
Limit (dB):	38.3	35.5
Margin (dB):	5.9	4.8
Frequency (MHz):	166.00	243.00



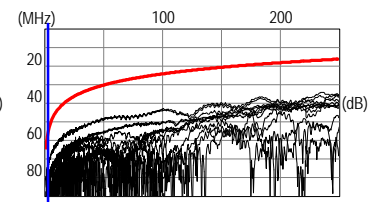
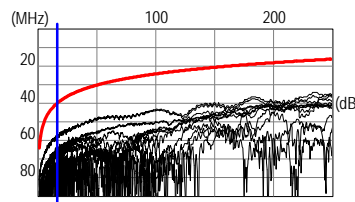
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	19.9	20.1
Limit (dB):	16.5	16.5
Margin (dB):	3.4	3.6
Frequency (MHz):	56.50	56.00



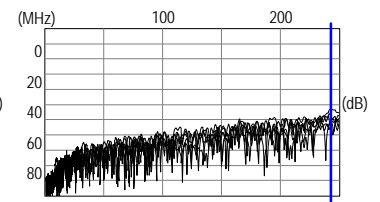
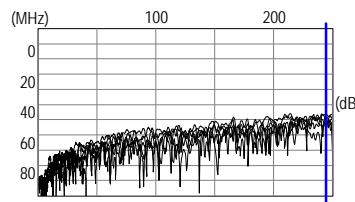
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	55.9	71.7
Limit (dB):	40.0	55.8
Margin (dB):	15.9	15.9
Frequency (MHz):	16.13	2.63



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	35.9	32.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	244.50	243.00



Networks tested

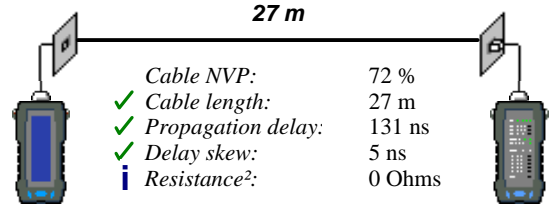
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



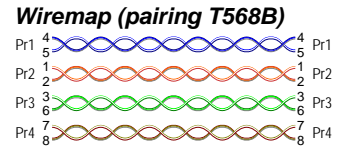
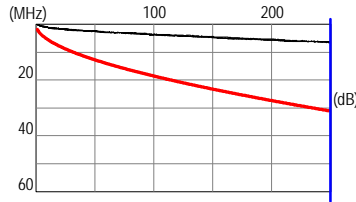
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:48 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3035)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3081)
 Profile: Default Cat 6
 Operator: Dennis



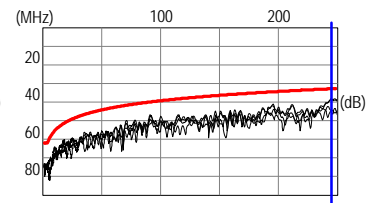
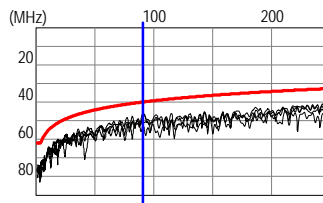
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 6.6
Limit (dB): 31.1
Margin (dB): 24.5
Frequency (MHz): 250.00



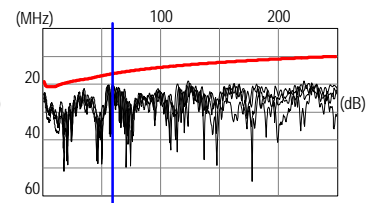
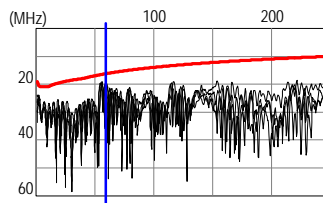
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 45.8 38.3
Limit (dB): 40.0 32.9
Margin (dB): 5.8 5.4
Frequency (MHz): 90.75 245.00



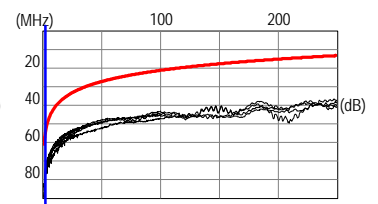
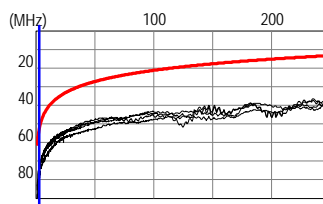
✓ **Return Loss (dB) @WS @DR**

Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 19.8 20.3
Limit (dB): 16.3 16.3
Margin (dB): 3.5 4.0
Frequency (MHz): 59.00 59.50



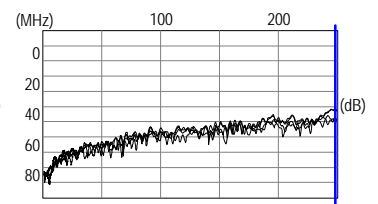
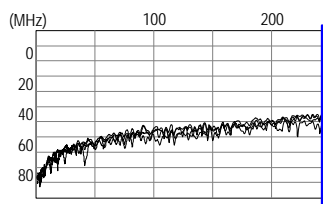
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 70.9 71.8
Limit (dB): 52.0 53.7
Margin (dB): 18.9 18.1
Frequency (MHz): 2.88 2.38



ⓘ **PowerSum ACR² (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 34.4 31.7
Limit (dB): 31.1 31.1
Margin (dB): 3.3 0.6
Frequency (MHz): 243.00 248.50



Networks tested

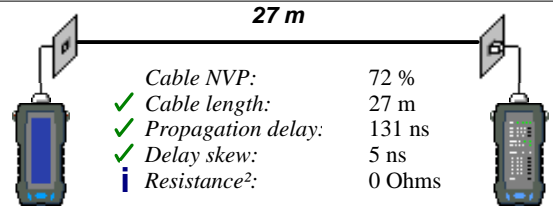
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



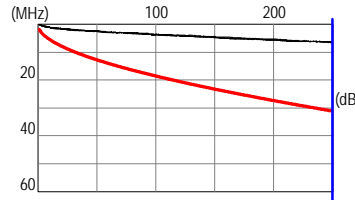
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:48 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3035)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3081)
 Profile: Default Cat 6
 Operator: Dennis

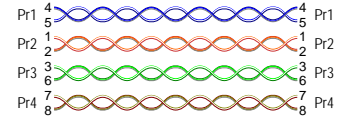


Attenuation (dB)

Worst pair: 3 (3,6)
 Value (dB): 6.6
 Limit (dB): 31.1
 Margin (dB): 24.5
 Frequency (MHz): 250.00

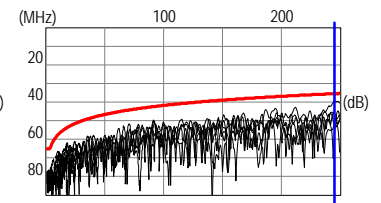
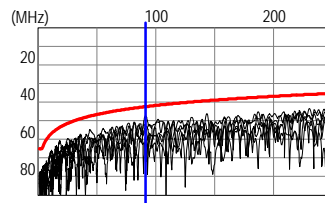


Wiremap (pairing T568B)



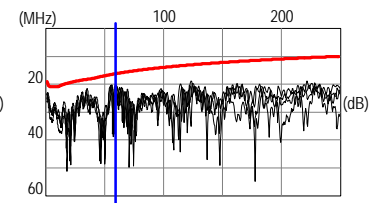
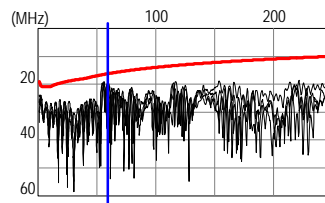
NEXT (dB)

	@WS	@DR
Worst combo:	1-3	3-4
Value (dB):	47.4	39.3
Limit (dB):	42.5	35.5
Margin (dB):	4.9	3.8
Frequency (MHz):	91.25	245.00



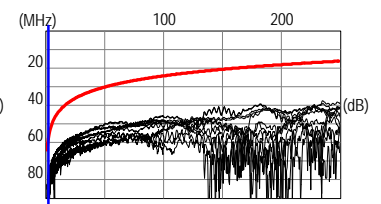
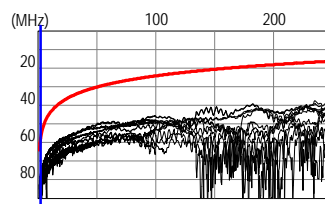
Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	19.8	20.3
Limit (dB):	16.3	16.3
Margin (dB):	3.5	4.0
Frequency (MHz):	59.00	59.50



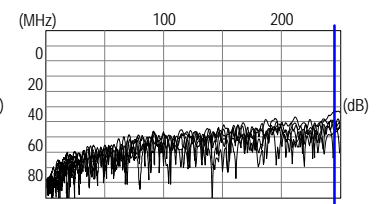
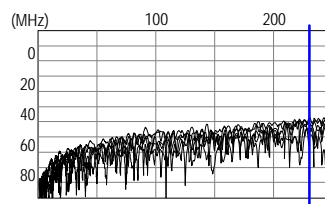
ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	76.2	76.1
Limit (dB):	58.2	58.2
Margin (dB):	18.0	17.9
Frequency (MHz):	2.00	2.00



ACR² (dB)

	@WS	@DR
Worst combo:	1-3	3-4
Value (dB):	37.3	32.8
Limit (dB):		
Margin (dB):		
Frequency (MHz):	230.50	245.00



Networks tested

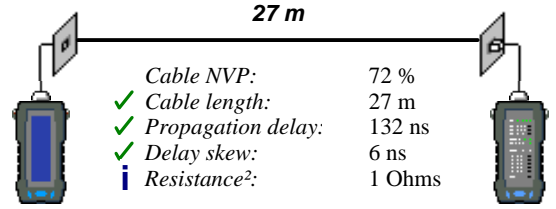
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

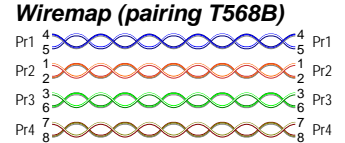
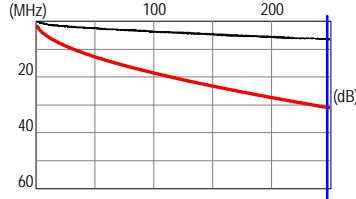


Cable Certification Report (PowerSum data)

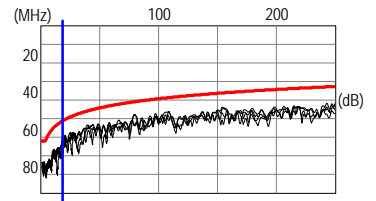
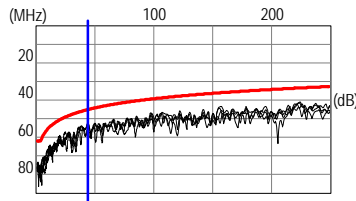
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:49 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3036)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3082)
Profile: Default Cat 6
Operator: Dennis



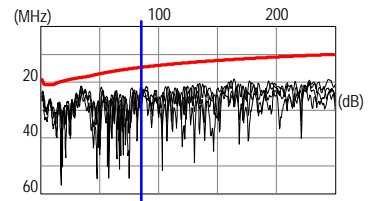
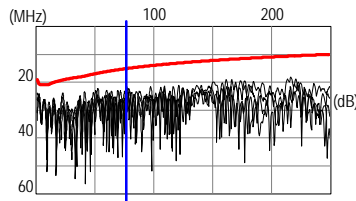
✓ Attenuation (dB)
Worst pair: 4 (7,8)
Value (dB): 6.6
Limit (dB): 30.9
Margin (dB): 24.3
Frequency (MHz): 247.50



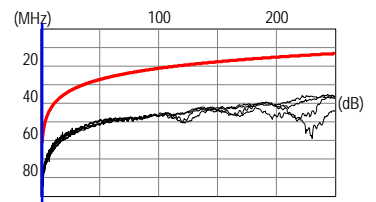
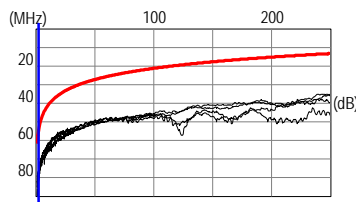
✓ PowerSum NEXT (dB) @WS @DR
Worst pair: 2 (1,2) 2 (1,2)
Value (dB): 52.3 57.8
Limit (dB): 45.2 51.3
Margin (dB): 7.1 6.5
Frequency (MHz): 43.75 18.25



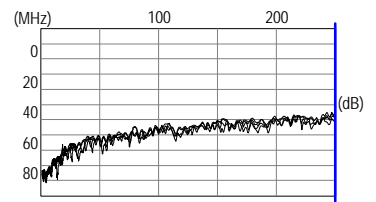
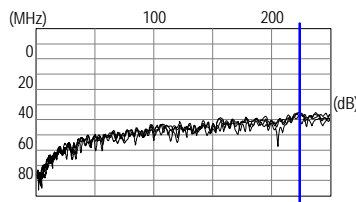
✓ Return Loss (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 21.5 21.5
Limit (dB): 15.2 14.7
Margin (dB): 6.3 6.8
Frequency (MHz): 76.75 85.25



✓ PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 73.9 78.5
Limit (dB): 54.6 59.3
Margin (dB): 19.3 19.2
Frequency (MHz): 2.13 1.25



i PowerSum ACR² (dB) @WS @DR
Worst pair: 1 (4,5) 3 (3,6)
Value (dB): 34.7 35.0
Limit (dB): 40
Margin (dB): 4
Frequency (MHz): 224.00 250.00



Networks tested

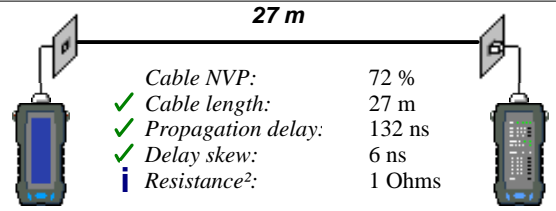
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



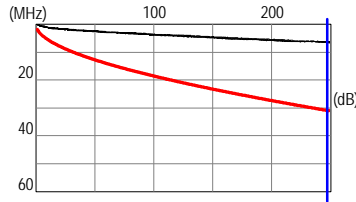
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:49 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3036)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3082)
 Profile: Default Cat 6
 Operator: Dennis

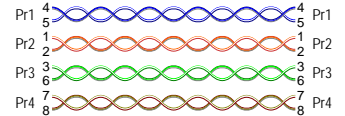


✓ Attenuation (dB)

Worst pair: 4 (7,8)
Value (dB): 6.6
Limit (dB): 30.9
Margin (dB): 24.3
Frequency (MHz): 247.50

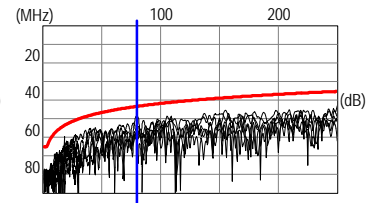
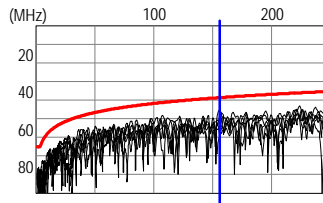


Wiremap (pairing T568B)



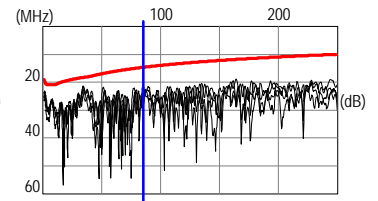
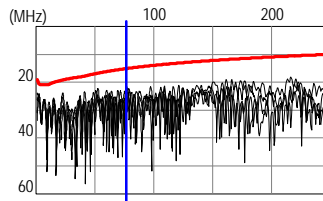
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	3-4
Value (dB):	45.5	48.4
Limit (dB):	38.7	43.4
Margin (dB):	6.8	5.0
Frequency (MHz):	156.00	79.75



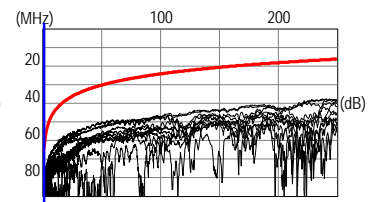
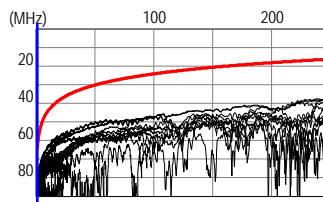
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	21.5	21.5
Limit (dB):	15.2	14.7
Margin (dB):	6.3	6.8
Frequency (MHz):	76.75	85.25



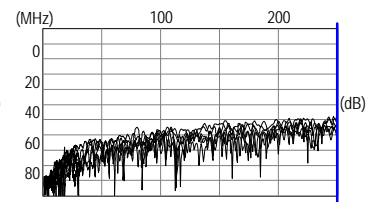
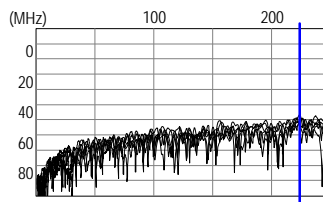
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	78.9	79.0
Limit (dB):	62.3	62.3
Margin (dB):	16.6	16.7
Frequency (MHz):	1.25	1.25



i ACR² (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	36.8	36.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	224.00	250.00



Networks tested

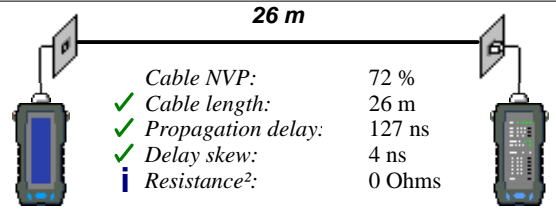
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



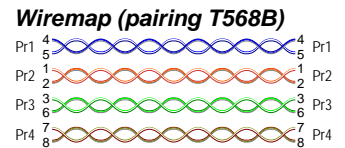
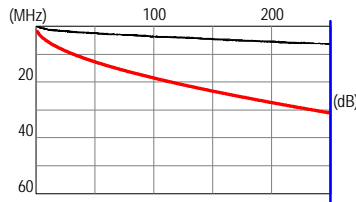
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:52 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3037)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3083)
 Profile: Default Cat 6
 Operator: Dennis



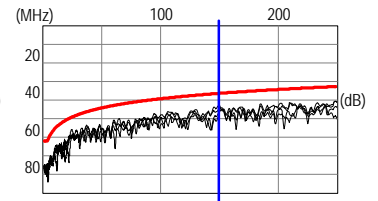
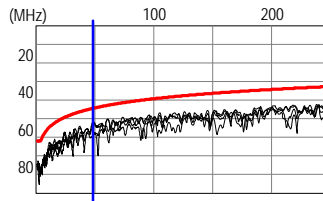
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 6.5
Limit (dB): 31.1
Margin (dB): 24.6
Frequency (MHz): 250.00



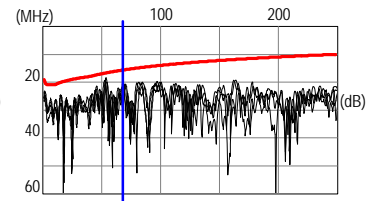
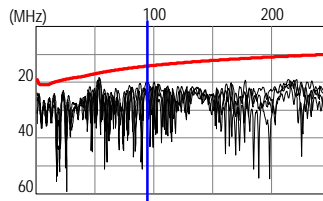
✓ **PowerSum NEXT (dB)** @WS @DR

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 51.7 42.8
Limit (dB): 44.5 36.4
Margin (dB): 7.2 6.4
Frequency (MHz): 48.50 149.50



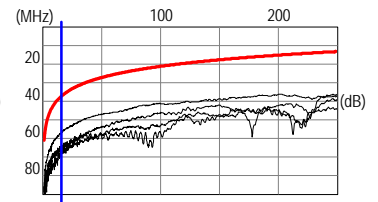
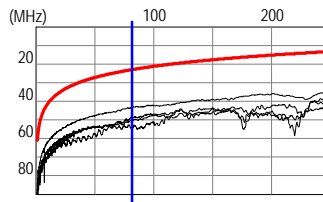
✓ **Return Loss (dB)** @WS @DR

Worst pair: 2 (1,2) 3 (3,6)
Value (dB): 19.7 20.0
Limit (dB): 14.2 15.7
Margin (dB): 5.5 4.3
Frequency (MHz): 94.75 68.00



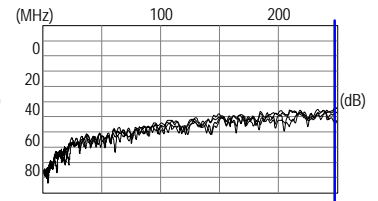
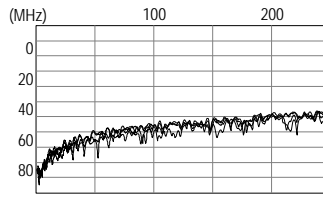
✓ **PowerSum ELFEXT (dB)** Atten(TX) Atten(RX)

Worst pair: 4 (7,8) 1 (4,5)
Value (dB): 42.8 56.4
Limit (dB): 23.0 37.3
Margin (dB): 19.8 19.1
Frequency (MHz): 81.50 15.63



ⓘ **PowerSum ACR² (dB)** @WS @DR

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 35.5 34.3
Limit (dB): 35.5 34.3
Margin (dB): 0 0
Frequency (MHz): 247.50 248.00



Networks tested

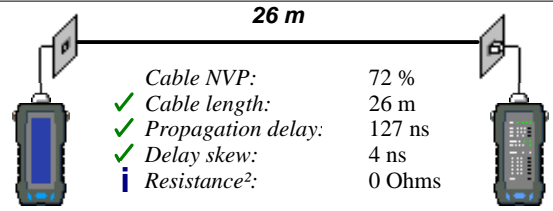
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



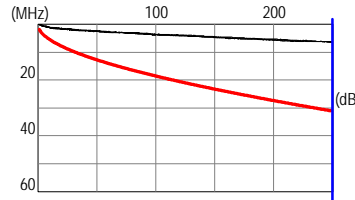
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:52 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3037)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3083)
 Profile: Default Cat 6
 Operator: Dennis

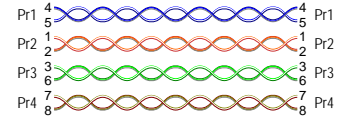


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 6.5
Limit (dB): 31.1
Margin (dB): 24.6
Frequency (MHz): 250.00

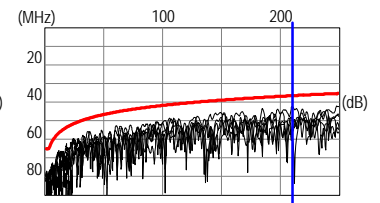
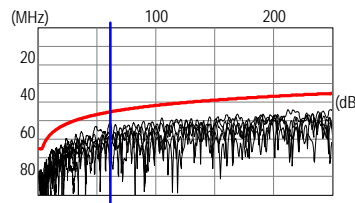


Wiremap (pairing T568B)



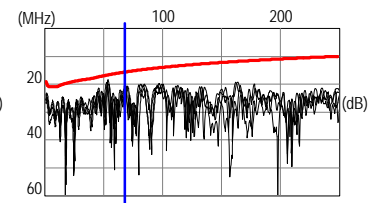
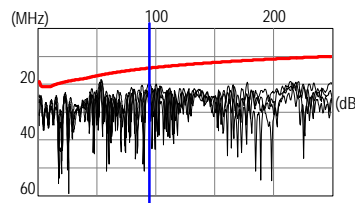
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	3-4
Value (dB):	51.2	42.4
Limit (dB):	45.3	36.6
Margin (dB):	5.9	5.8
Frequency (MHz):	61.25	210.50



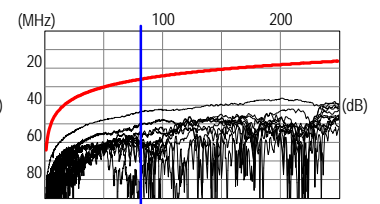
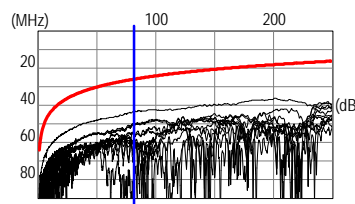
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	3 (3,6)
Value (dB):	19.7	20.0
Limit (dB):	14.2	15.7
Margin (dB):	5.5	4.3
Frequency (MHz):	94.75	68.00



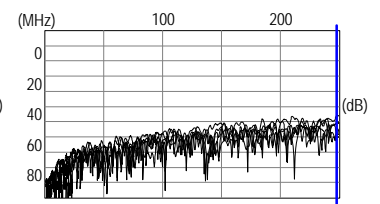
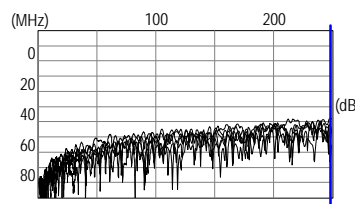
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	43.0	43.0
Limit (dB):	26.0	26.0
Margin (dB):	17.0	17.0
Frequency (MHz):	81.50	81.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	37.7	35.8
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	248.00



Networks tested

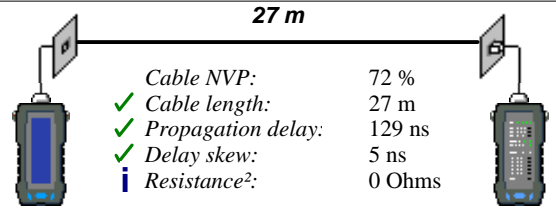
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



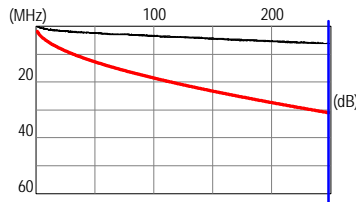
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:53 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3038)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3084)
 Profile: Default Cat 6
 Operator: Dennis

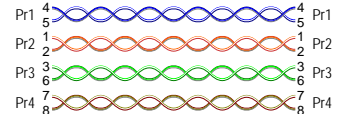


Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 6.3
Limit (dB): 31.0
Margin (dB): 24.7
Frequency (MHz): 248.50

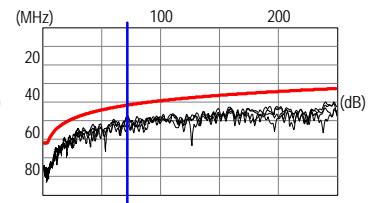
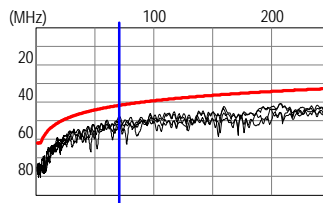


Wiremap (pairing T568B)



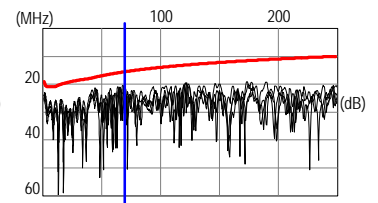
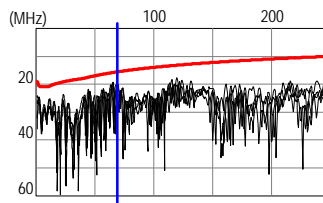
PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	47.8	47.3
Limit (dB):	41.8	41.7
Margin (dB):	6.0	5.6
Frequency (MHz):	70.50	71.75



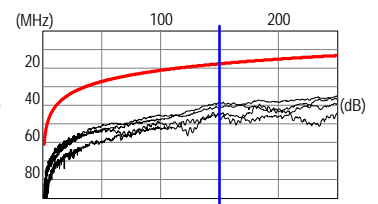
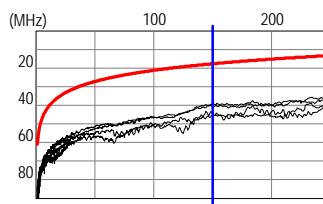
Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	19.9	20.3
Limit (dB):	15.6	15.6
Margin (dB):	4.3	4.7
Frequency (MHz):	69.25	69.50



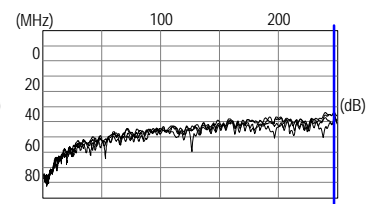
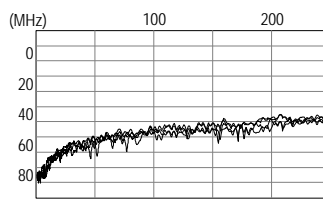
PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	38.8	38.1
Limit (dB):	17.7	17.7
Margin (dB):	21.1	20.4
Frequency (MHz):	150.00	150.00



PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	34.5	33.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	247.50	247.50



Networks tested

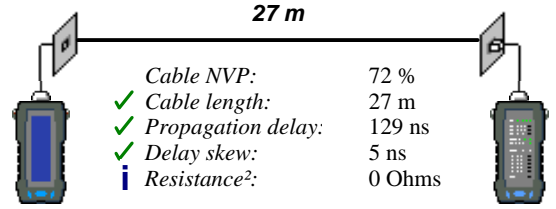
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



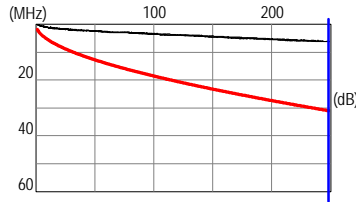
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:53 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3038)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3084)
 Profile: Default Cat 6
 Operator: Dennis

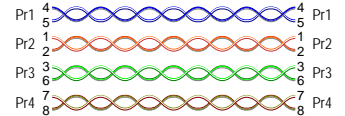


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 6.3
Limit (dB): 31.0
Margin (dB): 24.7
Frequency (MHz): 248.50

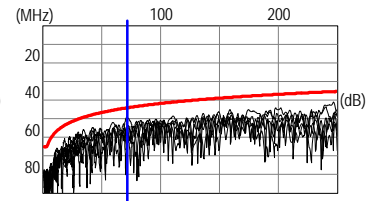
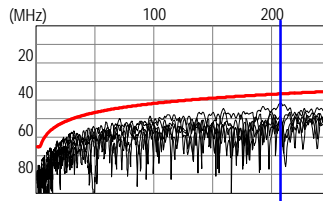


Wiremap (pairing T568B)



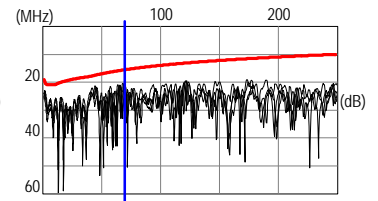
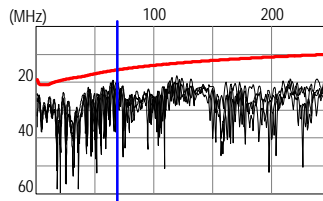
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	41.7	49.1
Limit (dB):	36.7	44.2
Margin (dB):	5.0	4.9
Frequency (MHz):	207.50	71.75



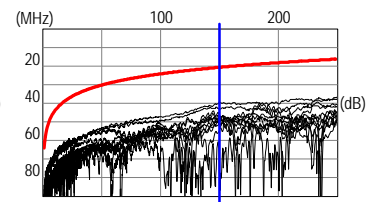
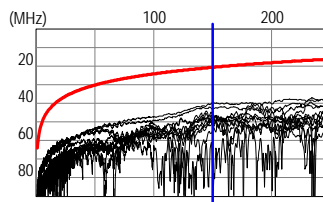
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	19.9	20.3
Limit (dB):	15.6	15.6
Margin (dB):	4.3	4.7
Frequency (MHz):	69.25	69.50



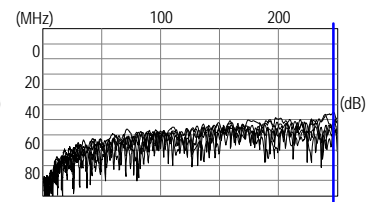
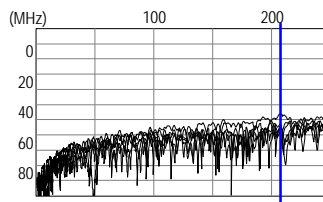
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	39.2	39.1
Limit (dB):	20.7	20.7
Margin (dB):	18.5	18.4
Frequency (MHz):	150.00	150.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	36.1	34.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	207.50	247.00



Networks tested

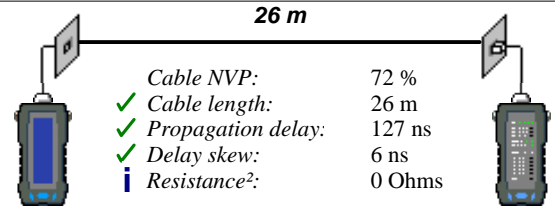
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



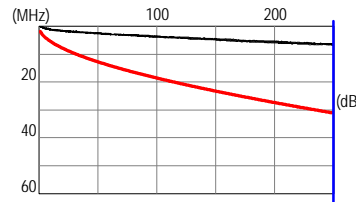
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 10:57 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3040)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3085)
Profile: Default Cat 6
Operator: Dennis

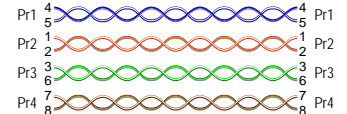


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 6.8
Limit (dB): 31.1
Margin (dB): 24.3
Frequency (MHz): 250.00

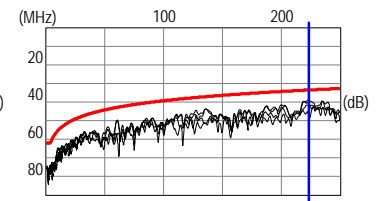
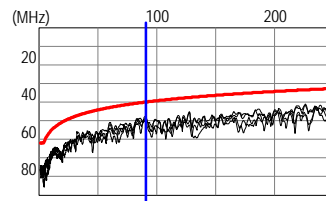


Wiremap (pairing T568B)



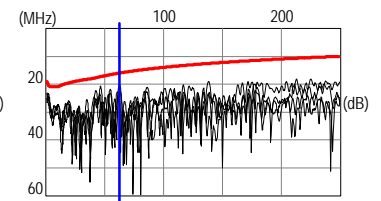
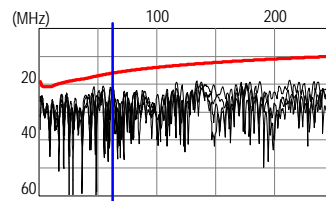
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	47.6	38.6
Limit (dB):	40.0	33.5
Margin (dB):	7.6	5.1
Frequency (MHz):	90.50	223.50



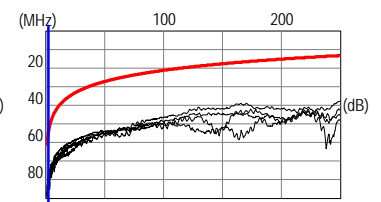
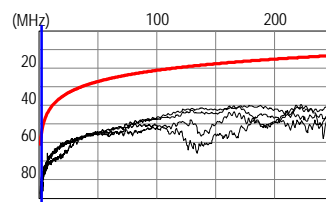
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.8	20.0
Limit (dB):	16.0	16.0
Margin (dB):	4.8	4.0
Frequency (MHz):	62.75	62.50



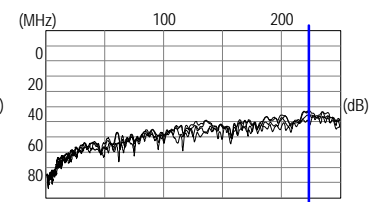
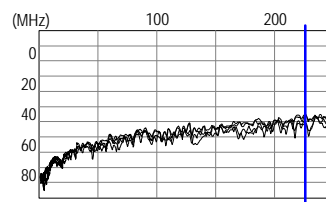
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	75.9	75.5
Limit (dB):	55.2	55.2
Margin (dB):	20.7	20.3
Frequency (MHz):	2.00	2.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	34.9	32.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	226.00	223.50



Networks tested

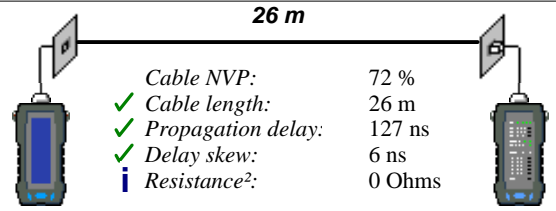
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



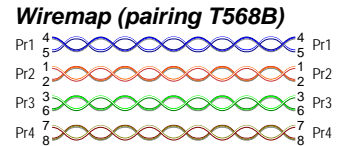
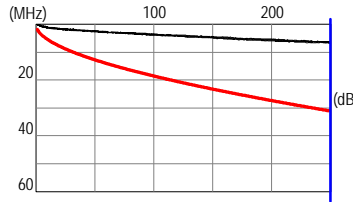
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:57 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3040)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3085)
 Profile: Default Cat 6
 Operator: Dennis



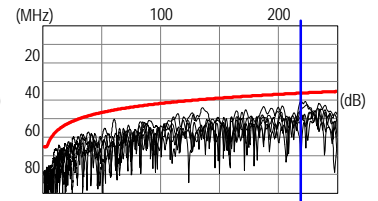
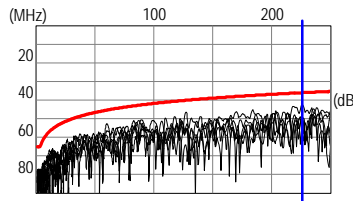
✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 6.8
Limit (dB): 31.1
Margin (dB): 24.3
Frequency (MHz): 250.00



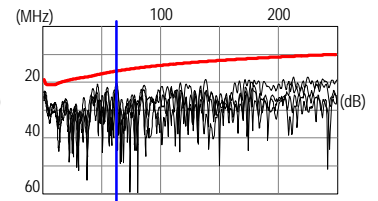
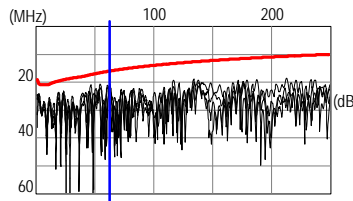
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-4
Value (dB):	42.3	40.8
Limit (dB):	36.1	36.3
Margin (dB):	6.2	4.5
Frequency (MHz):	226.00	219.00



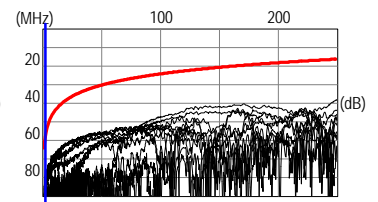
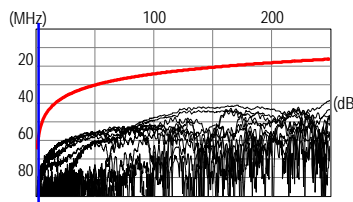
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.8	20.0
Limit (dB):	16.0	16.0
Margin (dB):	4.8	4.0
Frequency (MHz):	62.75	62.50



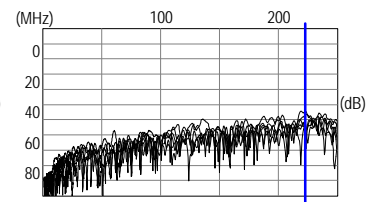
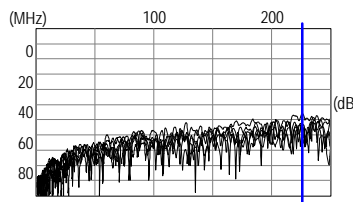
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	76.0	75.8
Limit (dB):	58.2	58.2
Margin (dB):	17.8	17.6
Frequency (MHz):	2.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	1-4
Value (dB):	35.9	34.4
Limit (dB):		
Margin (dB):		
Frequency (MHz):	226.00	223.00



Networks tested

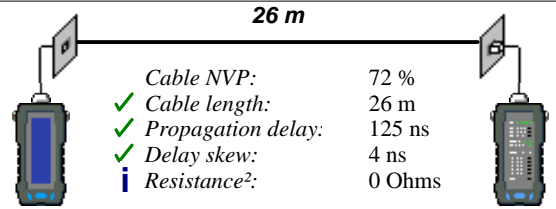
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



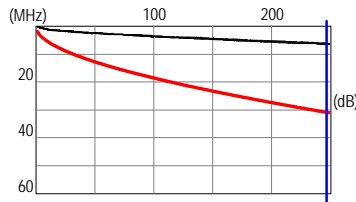
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:58 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3041)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3086)
 Profile: Default Cat 6
 Operator: Dennis

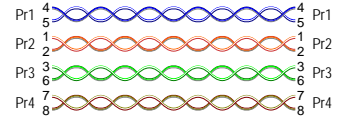


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 6.6
Limit (dB): 30.9
Margin (dB): 24.3
Frequency (MHz): 246.50

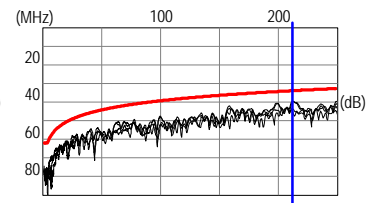
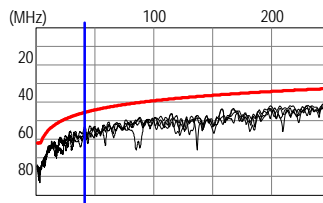


Wiremap (pairing T568B)



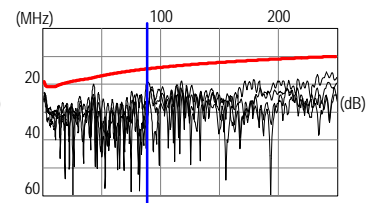
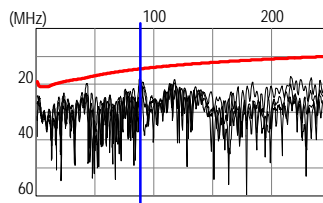
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	53.0	39.4
Limit (dB):	45.6	33.9
Margin (dB):	7.4	5.5
Frequency (MHz):	41.50	212.00



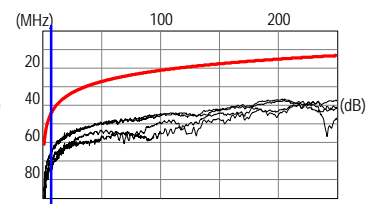
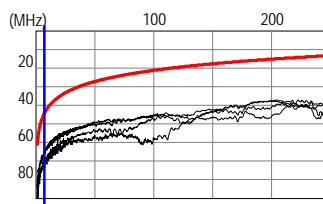
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	18.0	19.1
Limit (dB):	14.5	14.5
Margin (dB):	3.5	4.6
Frequency (MHz):	88.50	88.75



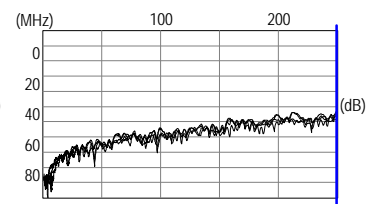
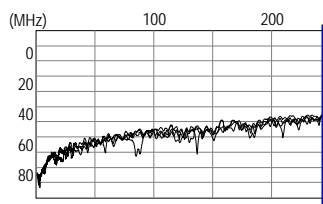
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	62.9	62.8
Limit (dB):	44.1	44.1
Margin (dB):	18.8	18.7
Frequency (MHz):	7.13	7.13



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	34.7	33.4
Limit (dB):		
Margin (dB):		
Frequency (MHz):	243.50	249.50



Networks tested

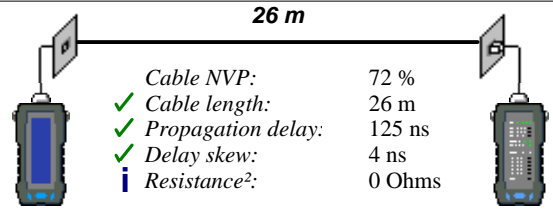
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



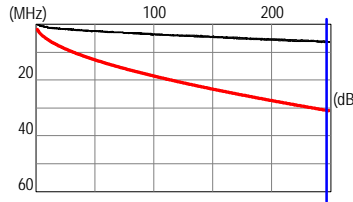
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:58 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3041)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3086)
 Profile: Default Cat 6
 Operator: Dennis

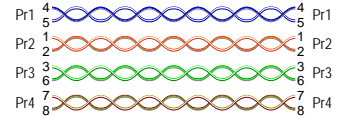


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 6.6
Limit (dB): 30.9
Margin (dB): 24.3
Frequency (MHz): 246.50

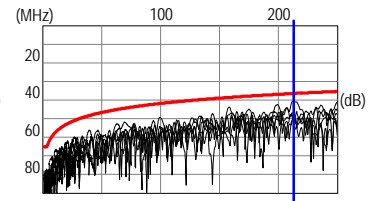
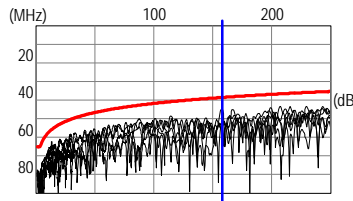


Wiremap (pairing T568B)



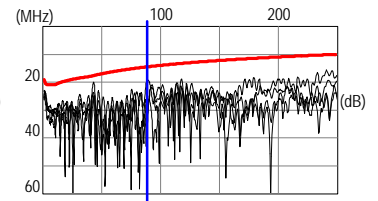
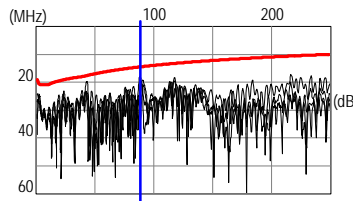
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-4	1-4
Value (dB):	44.7	40.7
Limit (dB):	38.6	36.5
Margin (dB):	6.1	4.2
Frequency (MHz):	158.00	213.00



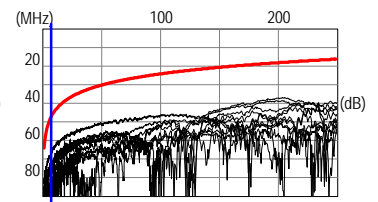
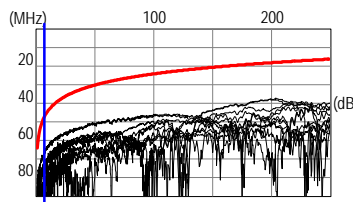
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	18.0	19.1
Limit (dB):	14.5	14.5
Margin (dB):	3.5	4.6
Frequency (MHz):	88.50	88.75



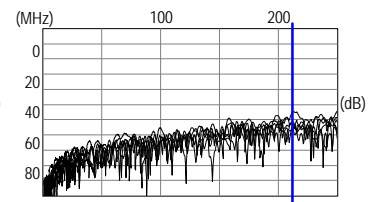
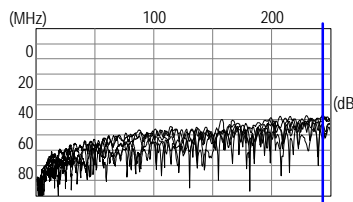
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	63.7	63.7
Limit (dB):	47.1	47.1
Margin (dB):	16.6	16.6
Frequency (MHz):	7.13	7.13



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	1-4
Value (dB):	37.0	34.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	243.50	212.00



Networks tested

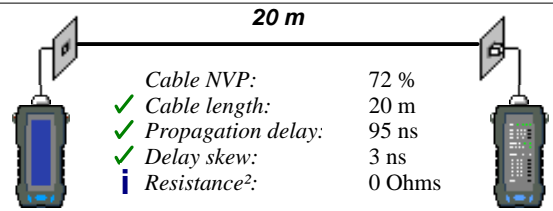
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



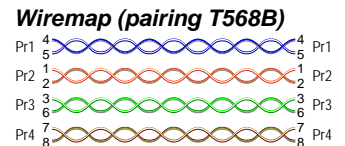
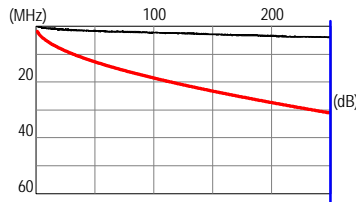
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:00 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3042)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3087)
 Profile: Default Cat 6
 Operator: Dennis



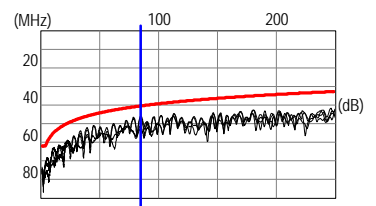
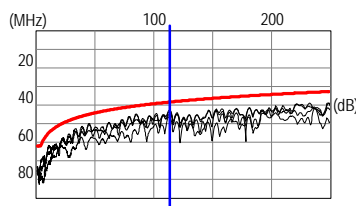
✓ **Attenuation (dB)**

Worst pair: 1 (4,5)
Value (dB): 4.1
Limit (dB): 31.1
Margin (dB): 27.0
Frequency (MHz): 250.00



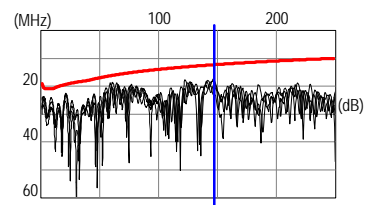
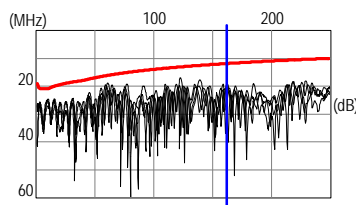
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 2 (1,2) 2 (1,2)
Value (dB): 42.7 45.9
Limit (dB): 38.4 40.5
Margin (dB): 4.3 5.4
Frequency (MHz): 113.50 85.00



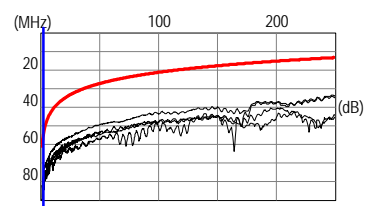
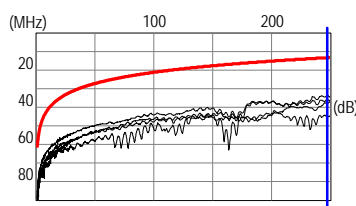
✓ **Return Loss (dB) @WS @DR**

Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 19.3 17.6
Limit (dB): 11.9 12.3
Margin (dB): 7.4 5.3
Frequency (MHz): 162.00 147.50



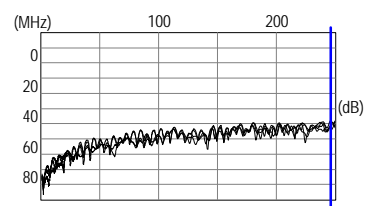
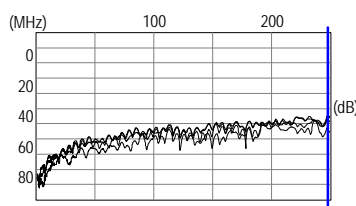
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 33.6 73.4
Limit (dB): 13.3 53.7
Margin (dB): 20.3 19.7
Frequency (MHz): 247.50 2.38



i **PowerSum ACR² (dB) @WS @DR**

Worst pair: 1 (4,5) 3 (3,6)
Value (dB): 34.7 37.7
Limit (dB): 34.7 37.7
Margin (dB): 0 0
Frequency (MHz): 248.00 246.00



Networks tested

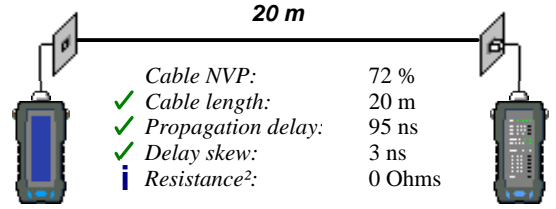
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



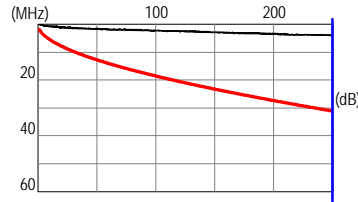
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:00 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3042)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3087)
 Profile: Default Cat 6
 Operator: Dennis

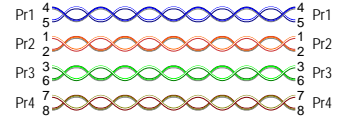


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 4.1
Limit (dB): 31.1
Margin (dB): 27.0
Frequency (MHz): 250.00

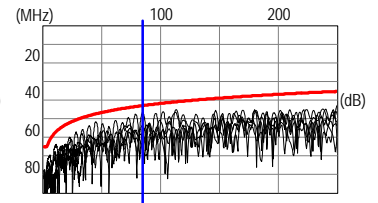
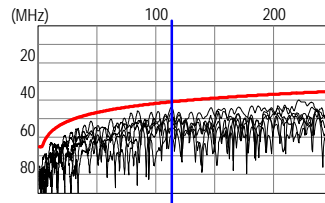


Wiremap (pairing T568B)



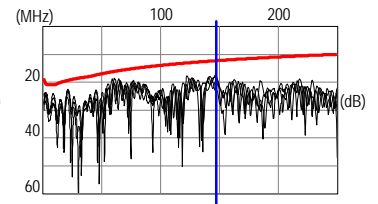
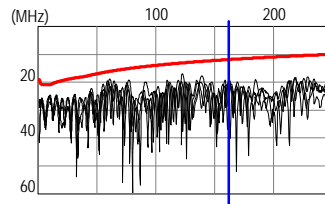
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-2	1-2
Value (dB):	44.0	46.6
Limit (dB):	41.0	43.0
Margin (dB):	3.0	3.6
Frequency (MHz):	113.50	85.00



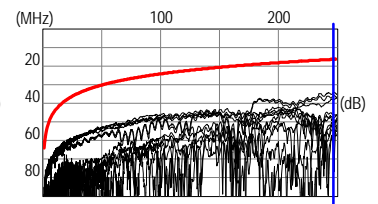
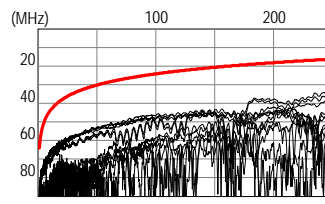
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	19.3	17.6
Limit (dB):	11.9	12.3
Margin (dB):	7.4	5.3
Frequency (MHz):	162.00	147.50



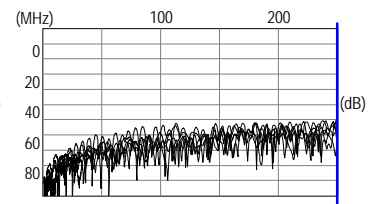
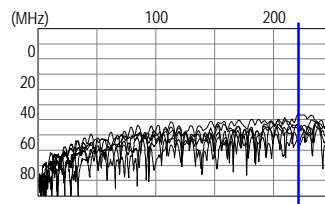
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	33.9	33.9
Limit (dB):	16.3	16.3
Margin (dB):	17.6	17.6
Frequency (MHz):	248.00	247.00



i ACR² (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	36.0	38.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	221.00	250.00



Networks tested

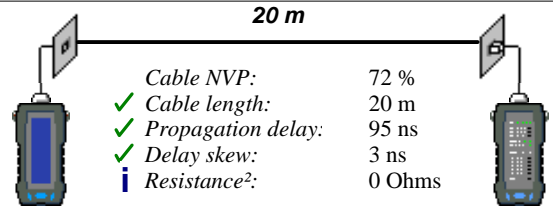
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



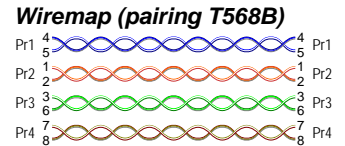
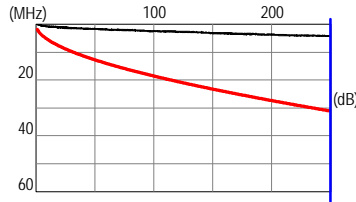
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:02 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3043)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3088)
 Profile: Default Cat 6
 Operator: Dennis



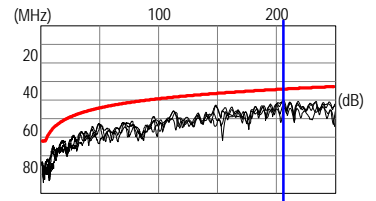
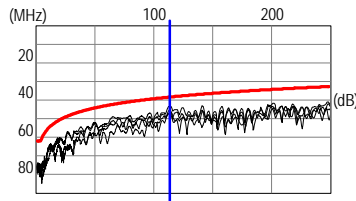
✓ **Attenuation (dB)**

Worst pair: 4 (7,8)
Value (dB): 4.5
Limit (dB): 31.1
Margin (dB): 26.6
Frequency (MHz): 250.00



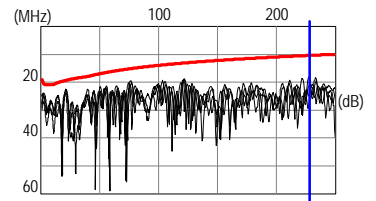
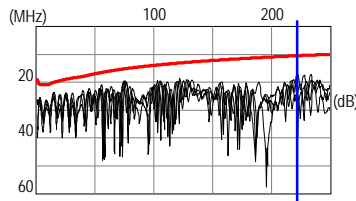
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 43.3 40.0
Limit (dB): 38.4 34.1
Margin (dB): 4.9 5.9
Frequency (MHz): 113.50 206.00



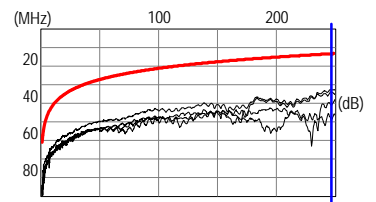
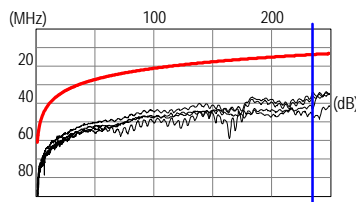
✓ **Return Loss (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 16.7 18.1
Limit (dB): 10.5 10.4
Margin (dB): 6.2 7.7
Frequency (MHz): 222.00 228.00



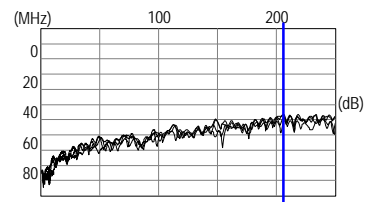
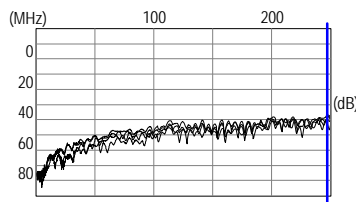
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 1 (4,5) 3 (3,6)
Value (dB): 34.1 32.5
Limit (dB): 13.8 13.4
Margin (dB): 20.3 19.1
Frequency (MHz): 235.00 246.50



i **PowerSum ACR² (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 37.0 36.3
Limit (dB): 37.0 36.3
Margin (dB): 0.0 0.0
Frequency (MHz): 247.50 206.00



Networks tested

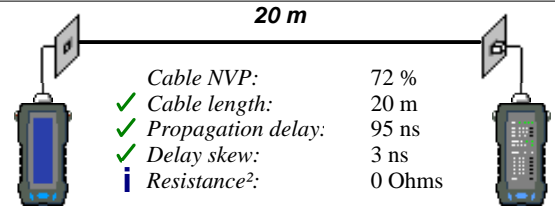
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



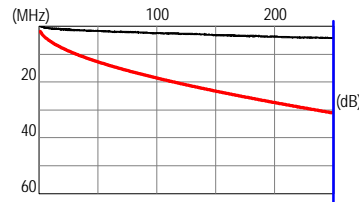
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:02 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3043)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3088)
 Profile: Default Cat 6
 Operator: Dennis

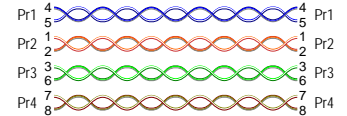


✓ Attenuation (dB)

Worst pair: 4 (7,8)
Value (dB): 4.5
Limit (dB): 31.1
Margin (dB): 26.6
Frequency (MHz): 250.00



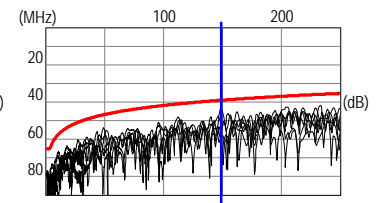
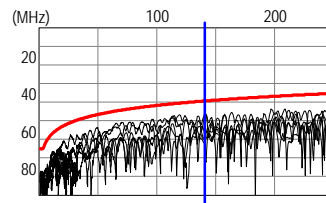
Wiremap (pairing T568B)



✓ NEXT (dB)

@WS **@DR**

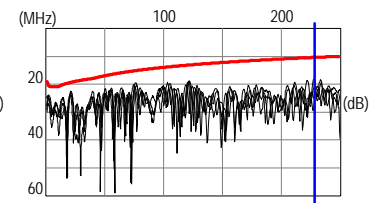
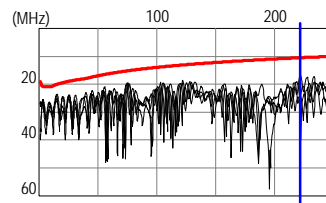
Worst combo: 1-3 3-4
Value (dB): 45.7 43.6
Limit (dB): 39.4 39.0
Margin (dB): 6.3 4.6
Frequency (MHz): 141.00 149.00



✓ Return Loss (dB)

@WS **@DR**

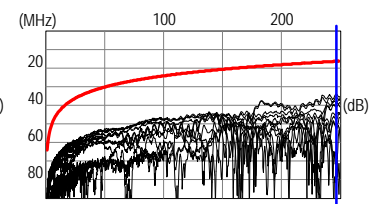
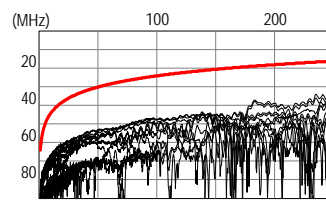
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 16.7 18.1
Limit (dB): 10.5 10.4
Margin (dB): 6.2 7.7
Frequency (MHz): 222.00 228.00



✓ ELFEXT (dB)

Atten(TX) **Atten(RX)**

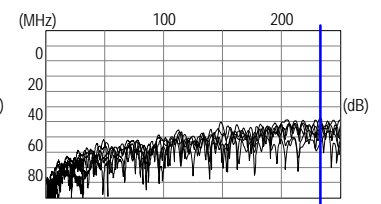
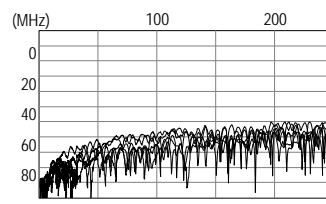
Worst combo: 1-3 1-3
Value (dB): 33.8 33.9
Limit (dB): 16.4 16.4
Margin (dB): 17.4 17.5
Frequency (MHz): 246.50 246.50



i ACR² (dB)

@WS **@DR**

Worst combo: 3-2 3-4
Value (dB): 38.8 37.6
Limit (dB):
Margin (dB):
Frequency (MHz): 248.50 233.00



Networks tested

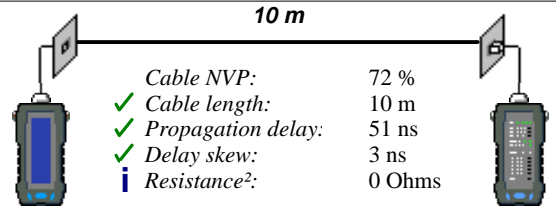
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



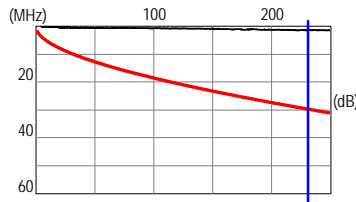
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 11:03 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3044)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3089)
Profile: Default Cat 6
Operator: Dennis

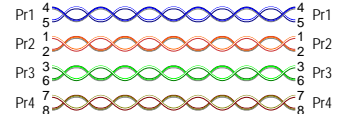


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 1.6
Limit (dB): 29.7
Margin (dB): 28.1
Frequency (MHz): 231.00

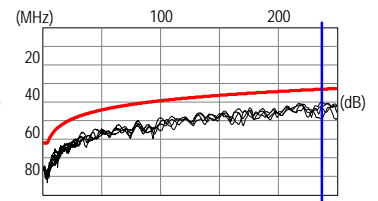
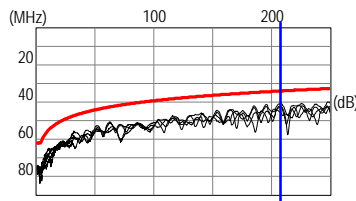


Wiremap (pairing T568B)



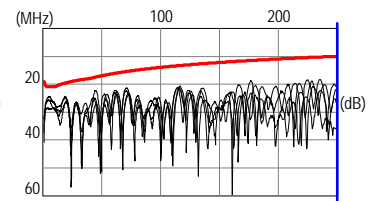
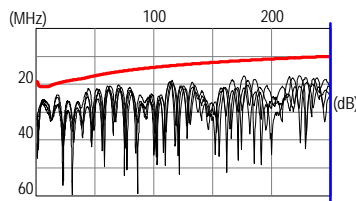
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	40.7	39.8
Limit (dB):	34.1	33.1
Margin (dB):	6.6	6.7
Frequency (MHz):	207.50	237.00



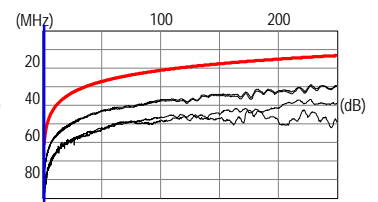
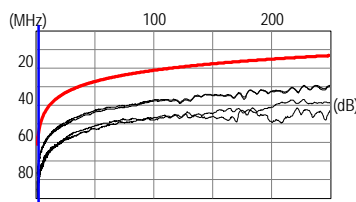
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	2 (1,2)
Value (dB):	21.0	21.3
Limit (dB):	10.0	10.0
Margin (dB):	11.0	11.3
Frequency (MHz):	250.00	250.00



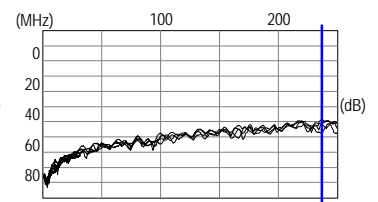
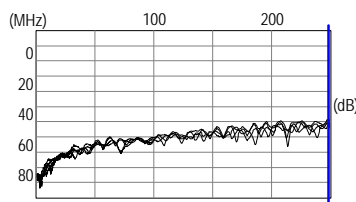
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	70.0	75.7
Limit (dB):	55.2	61.2
Margin (dB):	14.8	14.5
Frequency (MHz):	2.00	1.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	38.6	38.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	237.00



Networks tested

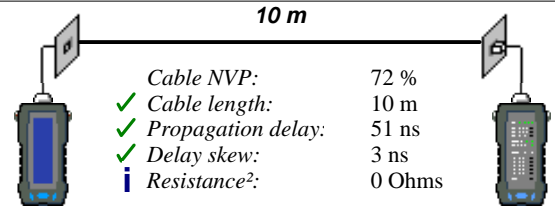
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



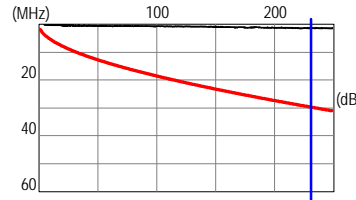
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:03 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3044)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3089)
 Profile: Default Cat 6
 Operator: Dennis

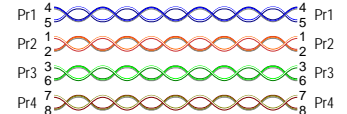


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 1.6
Limit (dB): 29.7
Margin (dB): 28.1
Frequency (MHz): 231.00

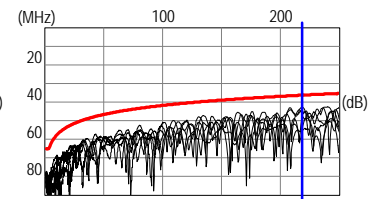
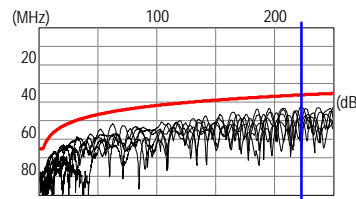


Wiremap (pairing T568B)



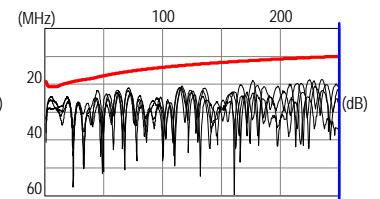
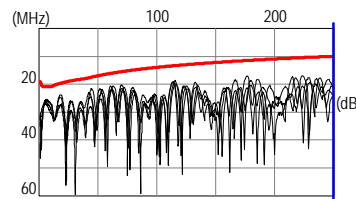
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	1-4
Value (dB):	42.3	42.5
Limit (dB):	36.2	36.3
Margin (dB):	6.1	6.2
Frequency (MHz):	223.00	218.50



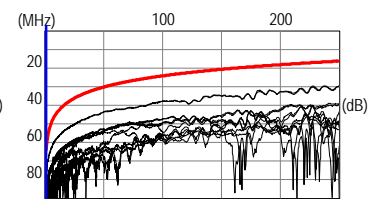
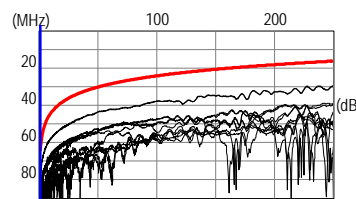
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	2 (1,2)
Value (dB):	21.0	21.3
Limit (dB):	10.0	10.0
Margin (dB):	11.0	11.3
Frequency (MHz):	250.00	250.00



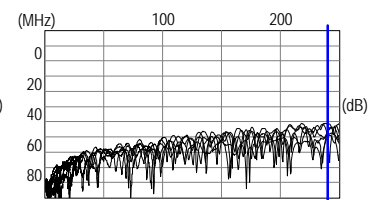
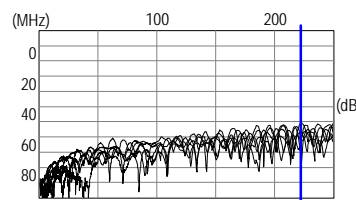
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	76.2	76.2
Limit (dB):	64.2	64.2
Margin (dB):	12.0	12.0
Frequency (MHz):	1.00	1.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-2
Value (dB):	40.8	41.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	222.50	240.00



Networks tested

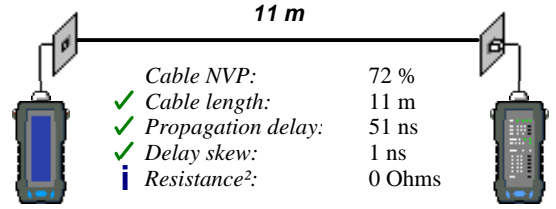
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



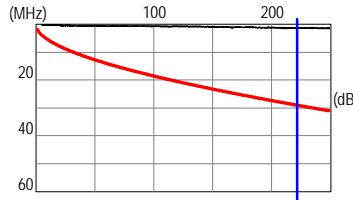
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 11:06 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3045)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3090)
Profile: Default Cat 6
Operator: Dennis

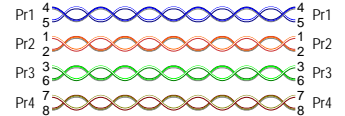


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 1.5
Limit (dB): 29.0
Margin (dB): 27.5
Frequency (MHz): 221.50

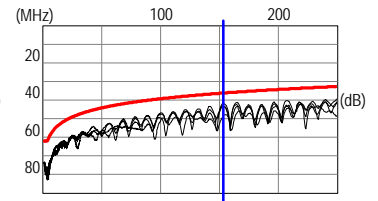
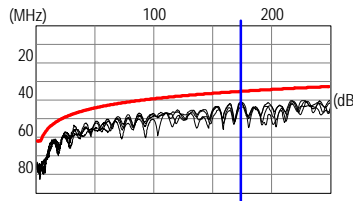


Wiremap (pairing T568B)



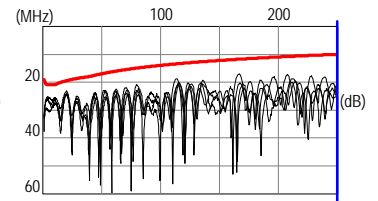
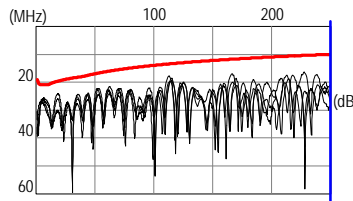
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	41.1	41.8
Limit (dB):	35.3	36.3
Margin (dB):	5.8	5.5
Frequency (MHz):	174.00	153.00



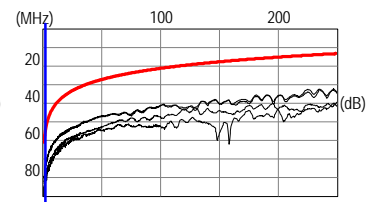
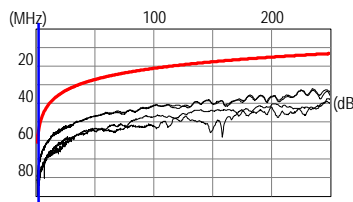
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	21.4	21.1
Limit (dB):	10.0	10.0
Margin (dB):	11.4	11.1
Frequency (MHz):	250.00	250.00



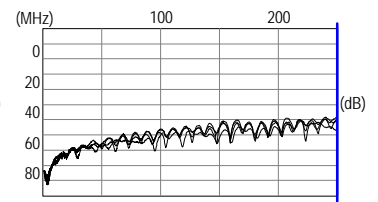
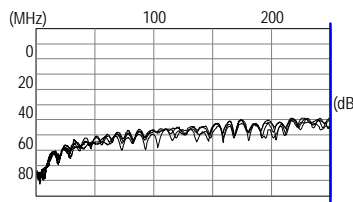
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	72.9	72.9
Limit (dB):	55.2	55.2
Margin (dB):	17.7	17.7
Frequency (MHz):	2.00	2.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	38.6	38.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	250.00



Networks tested

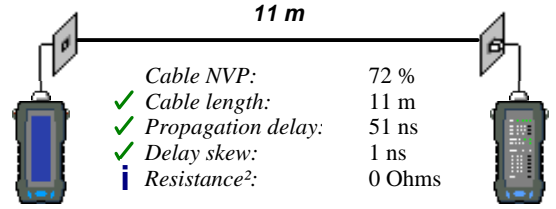
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



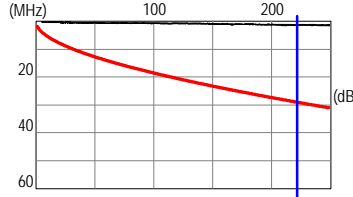
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:06 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3045)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3090)
 Profile: Default Cat 6
 Operator: Dennis

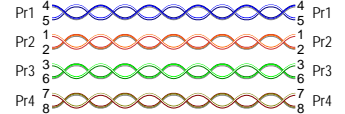


Attenuation (dB)

Worst pair: 3 (3,6)
 Value (dB): 1.5
 Limit (dB): 29.0
 Margin (dB): 27.5
 Frequency (MHz): 221.50

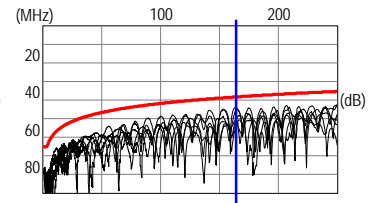
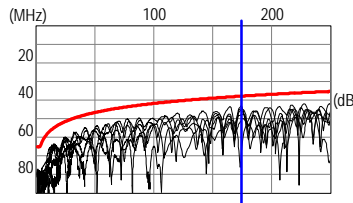


Wiremap (pairing T568B)



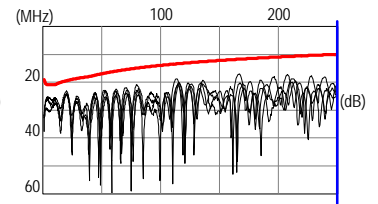
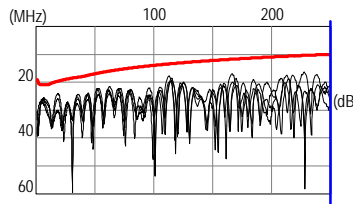
NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-2
Value (dB):	43.1	44.0
Limit (dB):	37.9	38.3
Margin (dB):	5.2	5.7
Frequency (MHz):	174.50	164.00



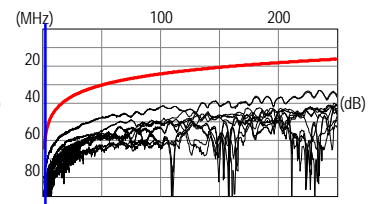
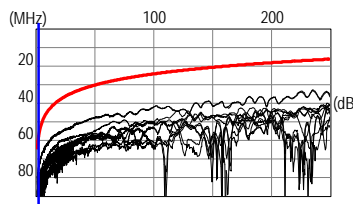
Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	21.4	21.1
Limit (dB):	10.0	10.0
Margin (dB):	11.4	11.1
Frequency (MHz):	250.00	250.00



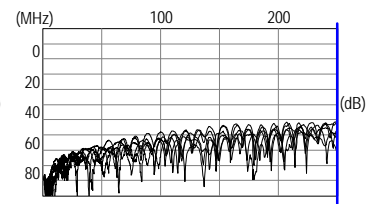
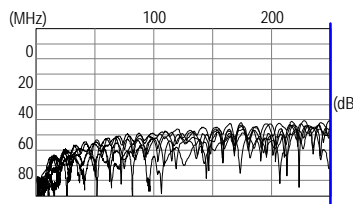
ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	73.9	73.9
Limit (dB):	58.2	58.2
Margin (dB):	15.7	15.7
Frequency (MHz):	2.00	2.00



ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	40.4	40.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	250.00



Networks tested

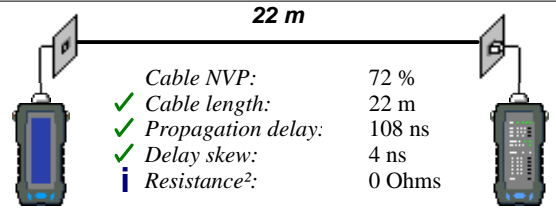
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

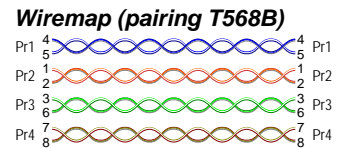
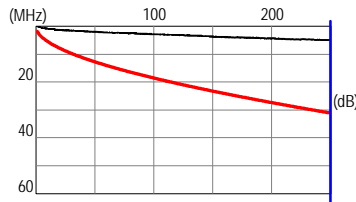


Cable Certification Report (PowerSum data)

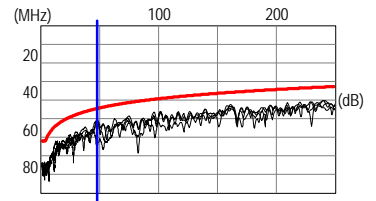
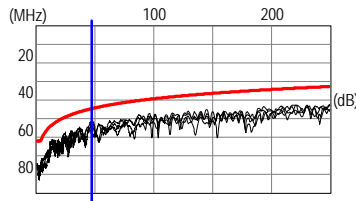
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 11:09 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3046)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3091)
Profile: Default Cat 6
Operator: Dennis



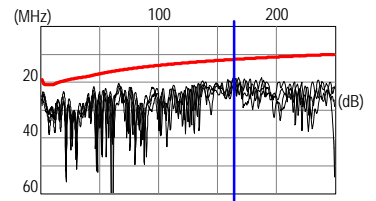
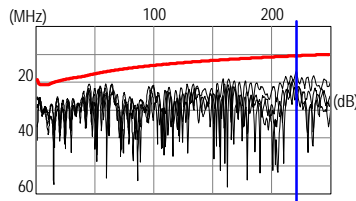
✓ Attenuation (dB)
Worst pair: 4 (7,8)
Value (dB): 5.2
Limit (dB): 31.1
Margin (dB): 25.9
Frequency (MHz): 250.00



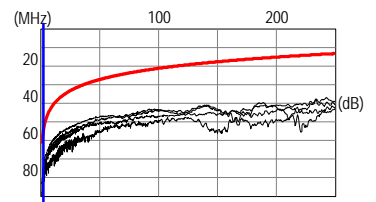
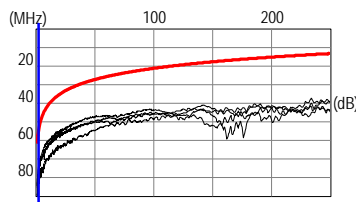
✓ PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 51.4 50.7
Limit (dB): 44.6 44.5
Margin (dB): 6.8 6.2
Frequency (MHz): 47.50 48.00



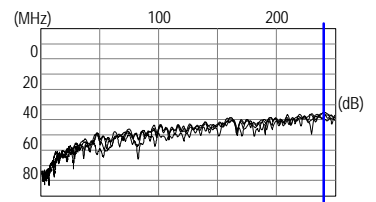
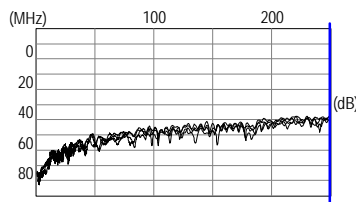
✓ Return Loss (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 16.2 18.2
Limit (dB): 10.6 11.9
Margin (dB): 5.6 6.3
Frequency (MHz): 221.00 164.00



✓ PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 73.5 71.7
Limit (dB): 55.2 53.7
Margin (dB): 18.3 18.0
Frequency (MHz): 2.00 2.38



i PowerSum ACR² (dB) @WS @DR
Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 37.4 35.1
Limit (dB):
Margin (dB):
Frequency (MHz): 249.50 240.00



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

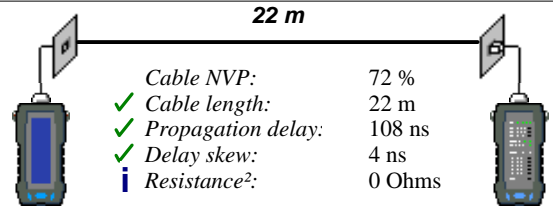
² Not required for selected limit



PASS

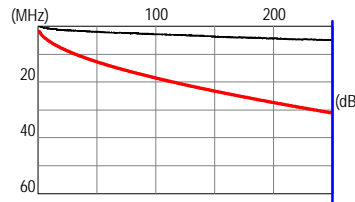
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:09 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3046)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3091)
 Profile: Default Cat 6
 Operator: Dennis

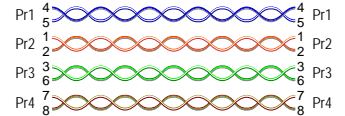


✓ Attenuation (dB)

Worst pair: 4 (7,8)
Value (dB): 5.2
Limit (dB): 31.1
Margin (dB): 25.9
Frequency (MHz): 250.00

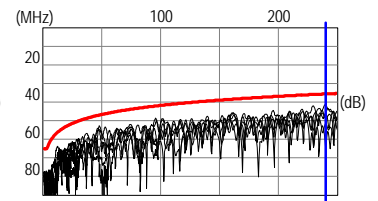
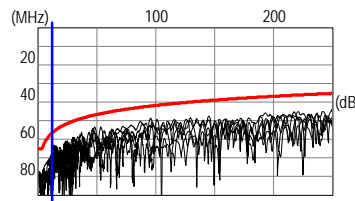


Wiremap (pairing T568B)



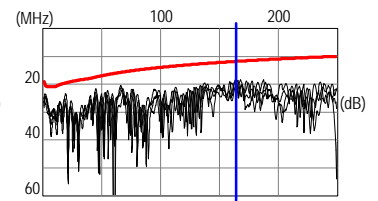
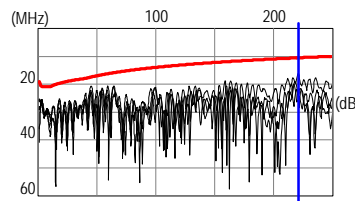
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-4	3-4
Value (dB):	62.9	41.2
Limit (dB):	56.6	35.6
Margin (dB):	6.3	5.6
Frequency (MHz):	12.00	240.00



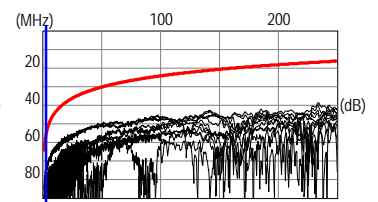
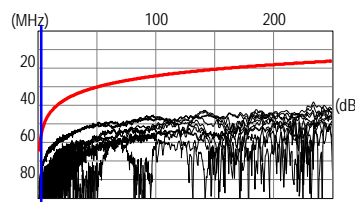
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	16.2	18.2
Limit (dB):	10.6	11.9
Margin (dB):	5.6	6.3
Frequency (MHz):	221.00	164.00



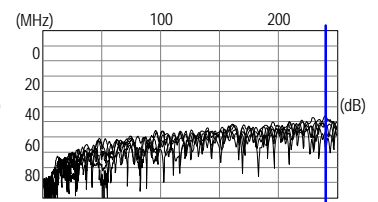
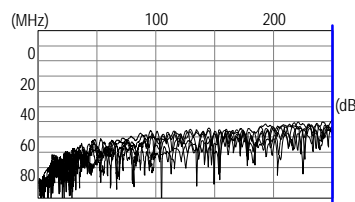
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	73.3	73.2
Limit (dB):	56.2	56.2
Margin (dB):	17.1	17.0
Frequency (MHz):	2.50	2.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	39.0	36.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	240.00



Networks tested

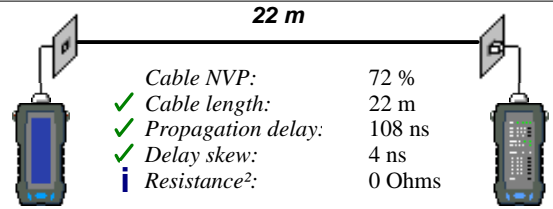
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



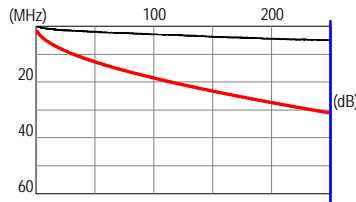
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 11:12 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3048)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3092)
Profile: Default Cat 6
Operator: Dennis

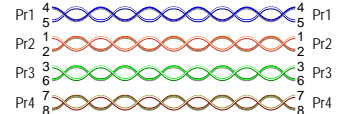


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 5.2
Limit (dB): 31.1
Margin (dB): 25.9
Frequency (MHz): 250.00

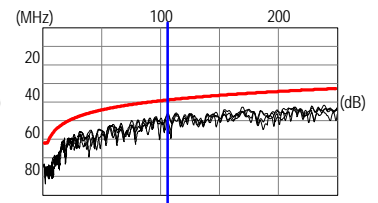
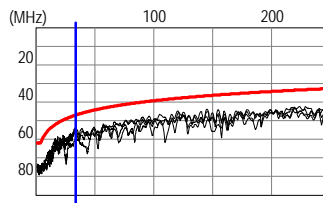


Wiremap (pairing T568B)



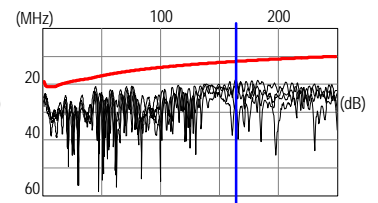
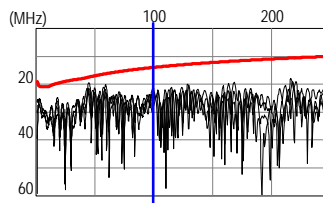
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	53.6	46.0
Limit (dB):	47.1	38.9
Margin (dB):	6.5	7.1
Frequency (MHz):	33.50	106.00



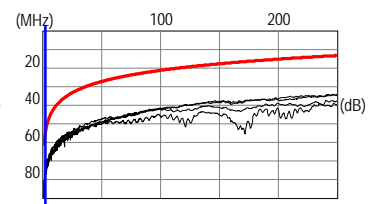
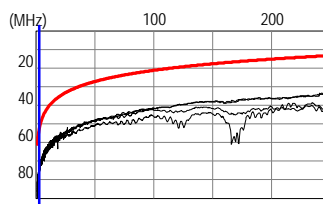
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	21.1	18.4
Limit (dB):	14.0	11.9
Margin (dB):	7.1	6.5
Frequency (MHz):	99.50	164.00



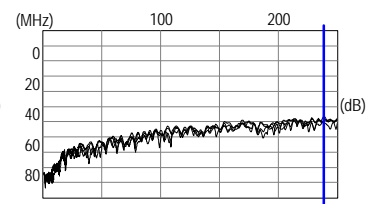
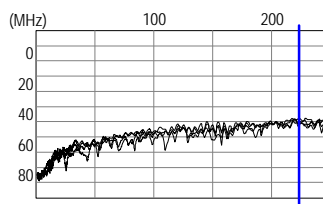
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	71.9	71.4
Limit (dB):	52.8	53.7
Margin (dB):	19.1	17.7
Frequency (MHz):	2.63	2.38



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	2 (1,2)
Value (dB):	37.6	36.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.50	238.50



Networks tested

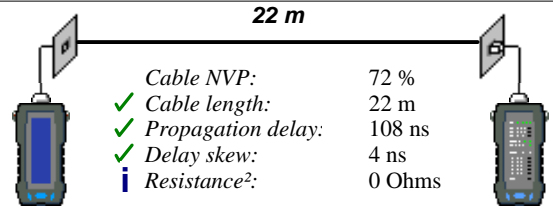
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



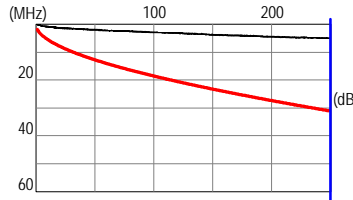
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:12 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3048)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3092)
 Profile: Default Cat 6
 Operator: Dennis

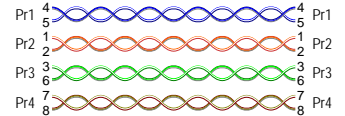


Attenuation (dB)

Worst pair: 3 (3,6)
 Value (dB): 5.2
 Limit (dB): 31.1
 Margin (dB): 25.9
 Frequency (MHz): 250.00

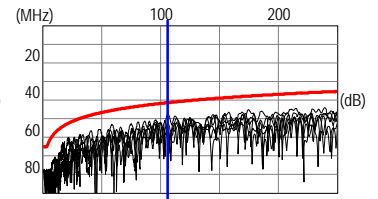
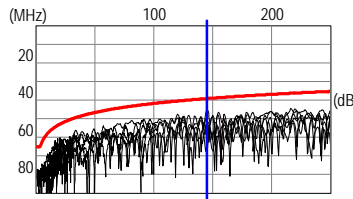


Wiremap (pairing T568B)



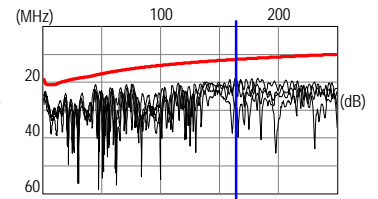
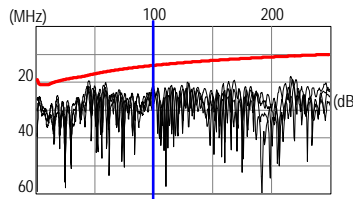
NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	45.3	47.6
Limit (dB):	39.2	41.4
Margin (dB):	6.1	6.2
Frequency (MHz):	145.00	106.00



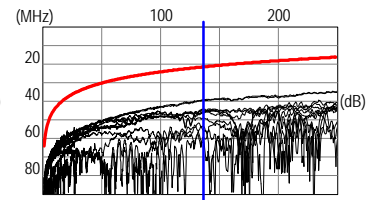
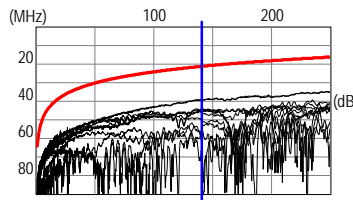
Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	21.1	18.4
Limit (dB):	14.0	11.9
Margin (dB):	7.1	6.5
Frequency (MHz):	99.50	164.00



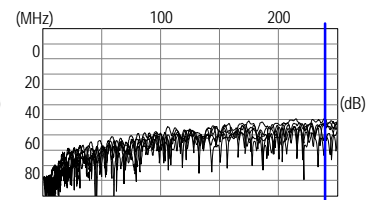
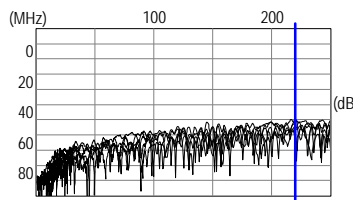
ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	2-4	2-4
Value (dB):	38.9	39.0
Limit (dB):	21.2	21.5
Margin (dB):	17.7	17.5
Frequency (MHz):	141.00	136.50



ACR² (dB)

	@WS	@DR
Worst combo:	1-4	1-2
Value (dB):	39.8	39.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	220.00	239.50



Networks tested

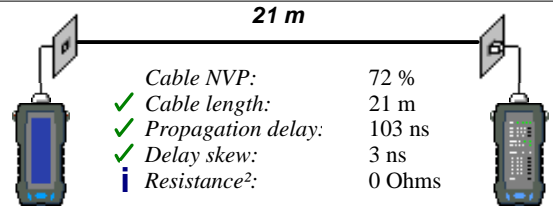
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



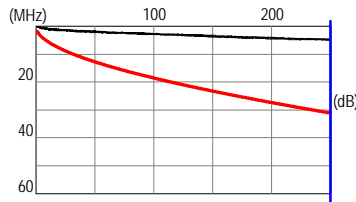
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 11:13 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3049)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3093)
Profile: Default Cat 6
Operator: Dennis

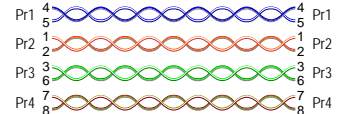


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 5.1
Limit (dB): 31.1
Margin (dB): 26.0
Frequency (MHz): 250.00

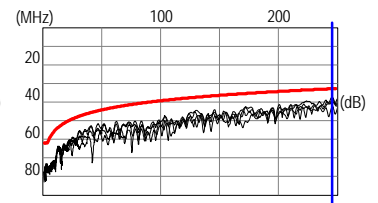
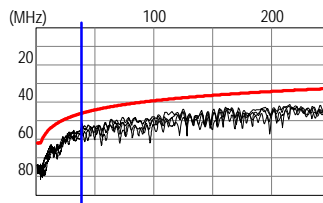


Wiremap (pairing T568B)



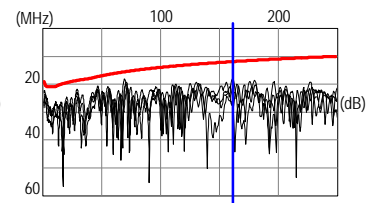
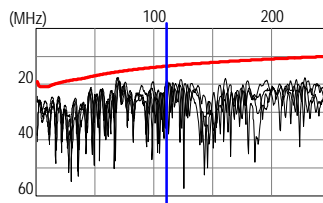
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	1 (4,5)	4 (7,8)
Value (dB):	49.5	37.3
Limit (dB):	46.0	32.8
Margin (dB):	3.5	4.5
Frequency (MHz):	38.75	245.50



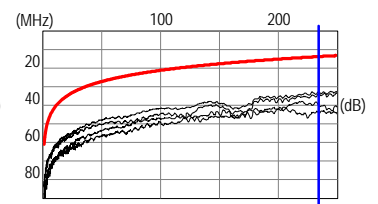
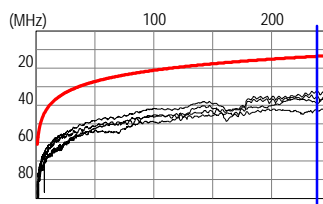
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	18.6	18.1
Limit (dB):	13.6	11.9
Margin (dB):	5.0	6.2
Frequency (MHz):	111.00	161.50



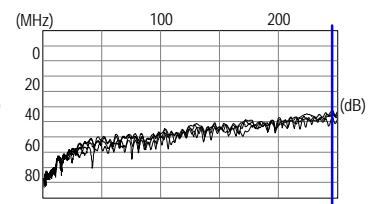
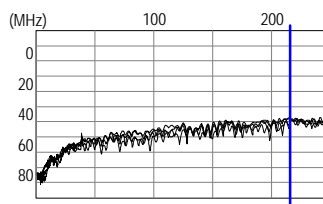
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	32.2	32.5
Limit (dB):	13.6	13.8
Margin (dB):	18.6	18.7
Frequency (MHz):	238.50	234.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	37.1	32.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	215.50	245.50



Networks tested

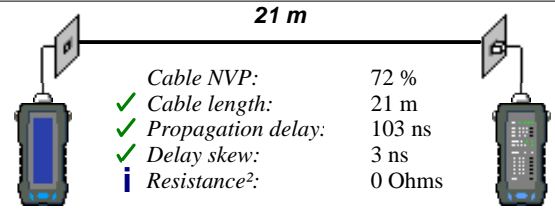
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



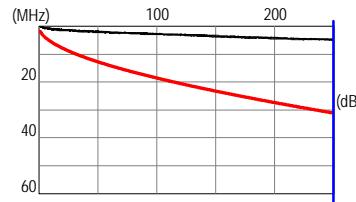
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:13 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3049)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3093)
 Profile: Default Cat 6
 Operator: Dennis

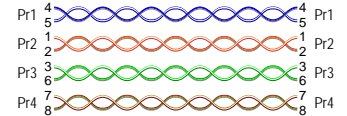


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 5.1
Limit (dB): 31.1
Margin (dB): 26.0
Frequency (MHz): 250.00

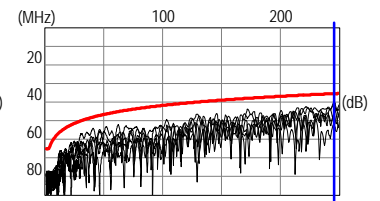
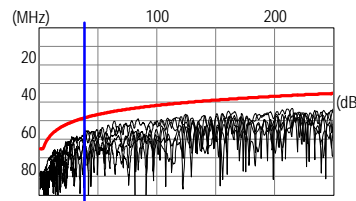


Wiremap (pairing T568B)



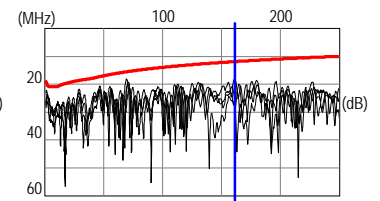
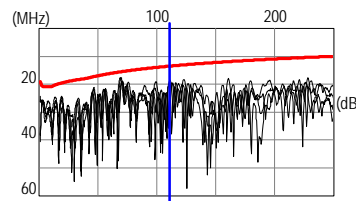
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-4	3-4
Value (dB):	52.2	40.1
Limit (dB):	48.5	35.5
Margin (dB):	3.7	4.6
Frequency (MHz):	38.75	245.50



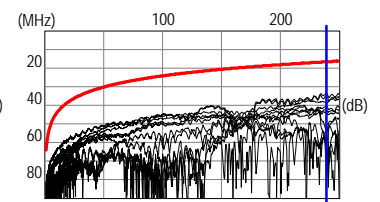
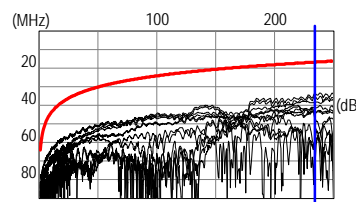
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	18.6	18.1
Limit (dB):	13.6	11.9
Margin (dB):	5.0	6.2
Frequency (MHz):	111.00	161.50



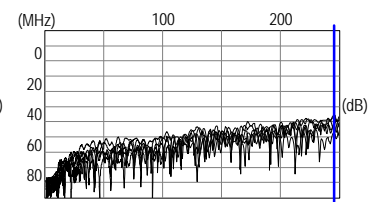
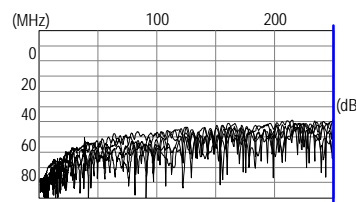
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	33.5	33.5
Limit (dB):	16.8	16.6
Margin (dB):	16.7	16.9
Frequency (MHz):	234.00	239.00



i ACR² (dB)

	@WS	@DR
Worst combo:	1-4	3-4
Value (dB):	38.3	35.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	245.50



Networks tested

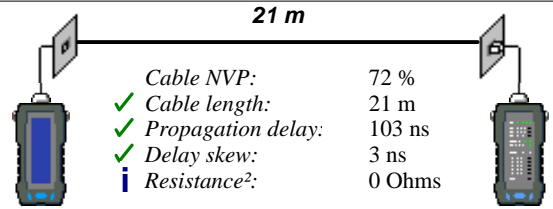
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



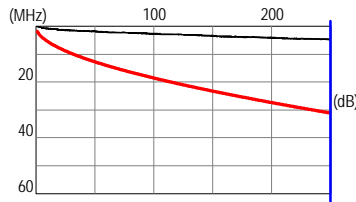
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:15 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3050)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3094)
 Profile: Default Cat 6
 Operator: Dennis

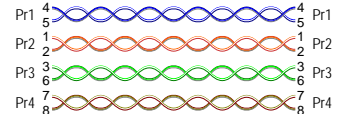


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 4.8
Limit (dB): 31.1
Margin (dB): 26.3
Frequency (MHz): 250.00

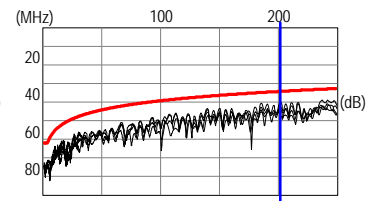
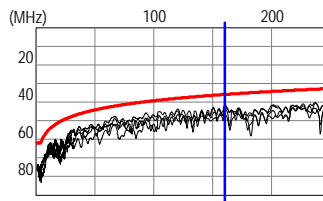


Wiremap (pairing T568B)



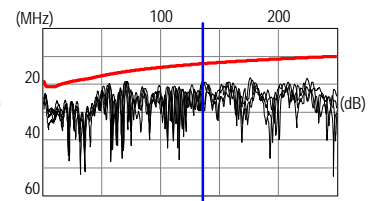
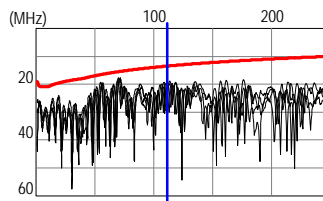
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	2 (1,2)	3 (3,6)
Value (dB):	41.3	39.7
Limit (dB):	35.9	34.3
Margin (dB):	5.4	5.4
Frequency (MHz):	160.50	201.50



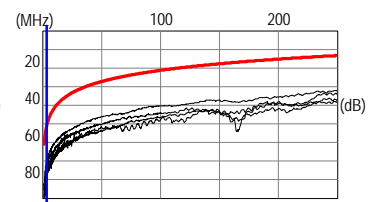
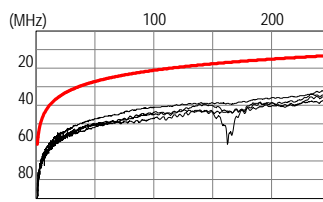
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	19.2	18.9
Limit (dB):	13.5	12.7
Margin (dB):	5.7	6.2
Frequency (MHz):	111.50	136.00



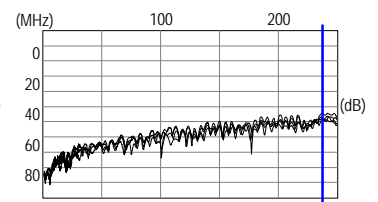
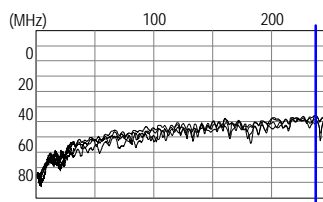
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	32.0	69.9
Limit (dB):	13.3	51.7
Margin (dB):	18.7	18.2
Frequency (MHz):	248.00	3.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	35.9	34.4
Limit (dB):		
Margin (dB):		
Frequency (MHz):	237.50	237.50



Networks tested

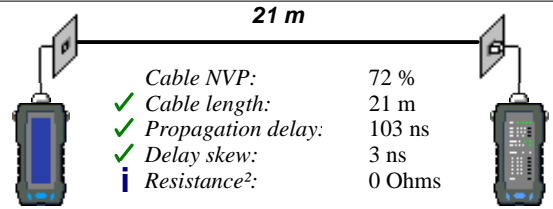
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



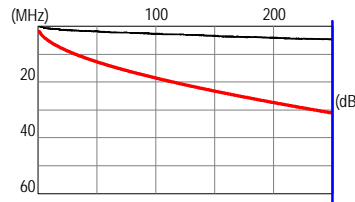
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:15 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3050)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3094)
 Profile: Default Cat 6
 Operator: Dennis

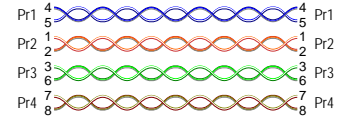


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 4.8
Limit (dB): 31.1
Margin (dB): 26.3
Frequency (MHz): 250.00

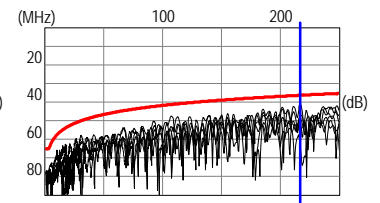
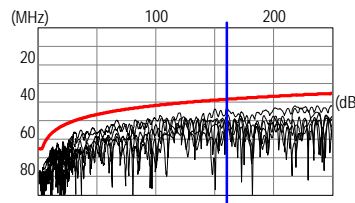


Wiremap (pairing T568B)



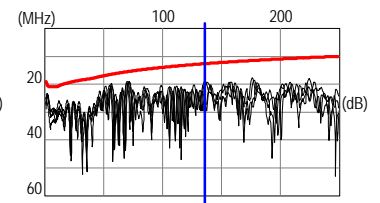
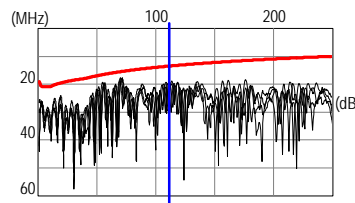
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-2
Value (dB):	43.0	41.5
Limit (dB):	38.5	36.4
Margin (dB):	4.5	5.1
Frequency (MHz):	160.50	217.00



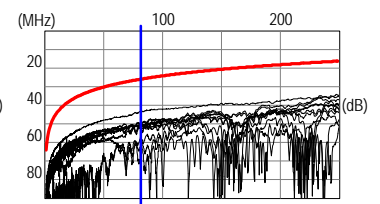
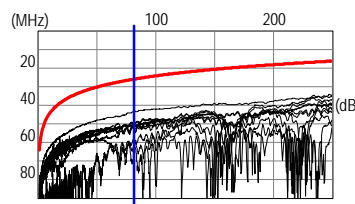
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	19.2	18.9
Limit (dB):	13.5	12.7
Margin (dB):	5.7	6.2
Frequency (MHz):	111.50	136.00



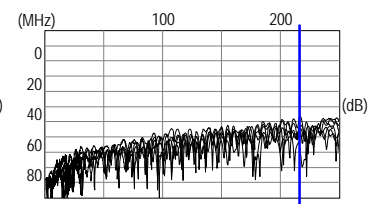
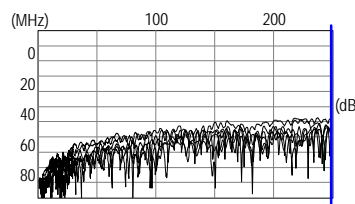
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	43.0	42.9
Limit (dB):	26.0	26.0
Margin (dB):	17.0	16.9
Frequency (MHz):	81.50	81.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-2
Value (dB):	37.3	37.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.00	216.50



Networks tested

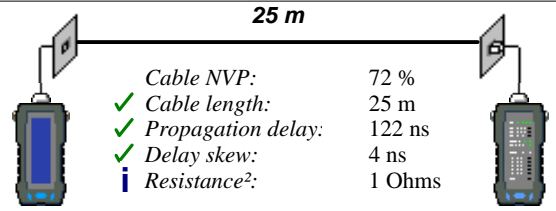
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



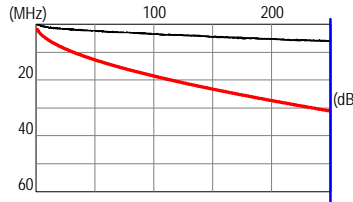
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:16 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3051)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3095)
 Profile: Default Cat 6
 Operator: Dennis

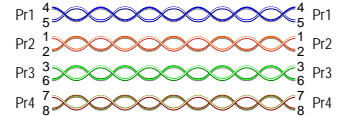


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 6.2
Limit (dB): 31.1
Margin (dB): 24.9
Frequency (MHz): 250.00

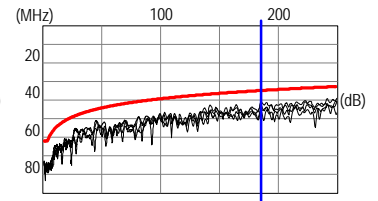
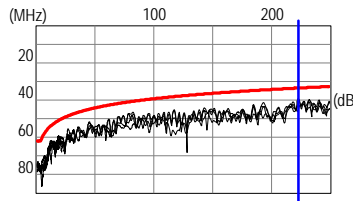


Wiremap (pairing T568B)



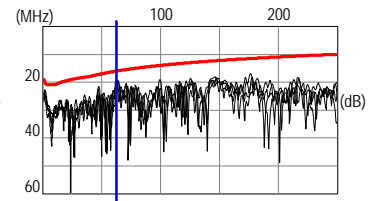
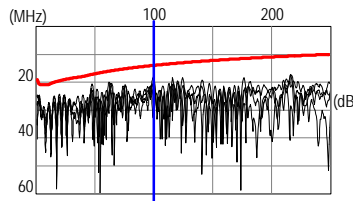
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	39.2	40.9
Limit (dB):	33.5	34.9
Margin (dB):	5.7	6.0
Frequency (MHz):	223.00	185.50



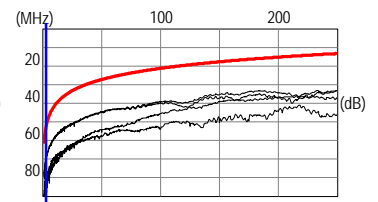
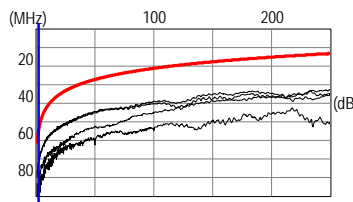
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	18.1	19.3
Limit (dB):	14.0	16.1
Margin (dB):	4.1	3.2
Frequency (MHz):	99.75	62.25



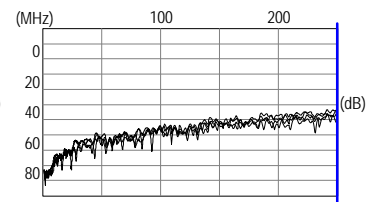
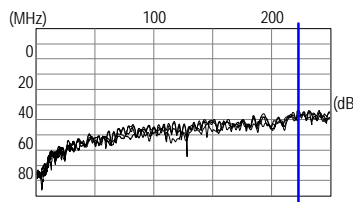
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	71.0	69.0
Limit (dB):	55.2	53.2
Margin (dB):	15.8	15.8
Frequency (MHz):	2.00	2.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	33.4	32.8
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.00	250.00



Networks tested

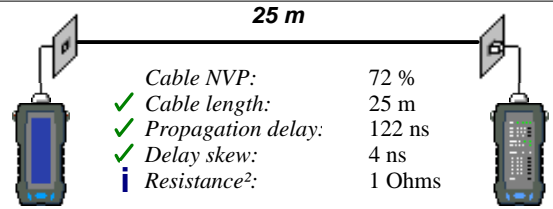
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



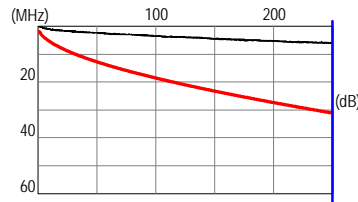
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:16 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3051)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3095)
 Profile: Default Cat 6
 Operator: Dennis

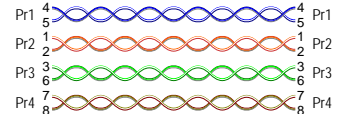


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 6.2
Limit (dB): 31.1
Margin (dB): 24.9
Frequency (MHz): 250.00

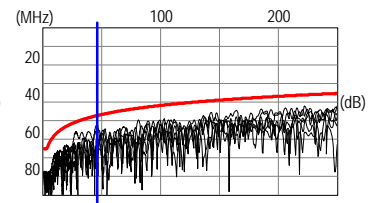
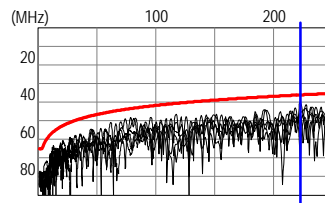


Wiremap (pairing T568B)



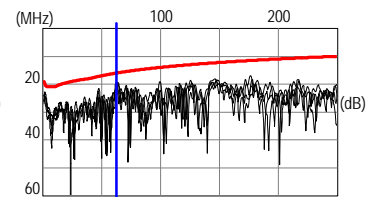
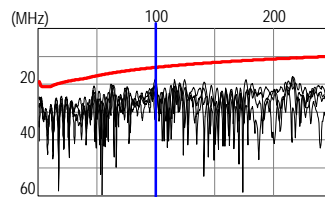
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-2
Value (dB):	40.1	52.2
Limit (dB):	36.2	47.3
Margin (dB):	3.9	4.9
Frequency (MHz):	223.00	46.25



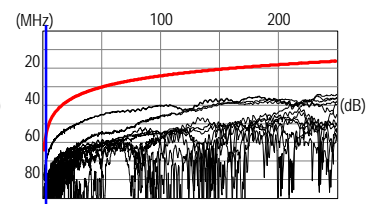
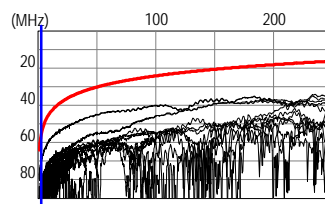
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	18.1	19.3
Limit (dB):	14.0	16.1
Margin (dB):	4.1	3.2
Frequency (MHz):	99.75	62.25



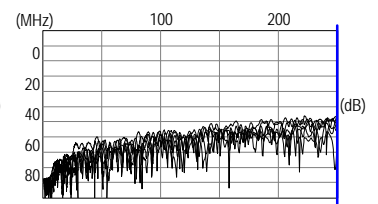
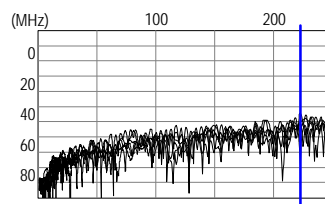
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	69.4	69.3
Limit (dB):	56.2	56.2
Margin (dB):	13.2	13.1
Frequency (MHz):	2.50	2.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	3-2
Value (dB):	34.2	35.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.00	250.00



Networks tested

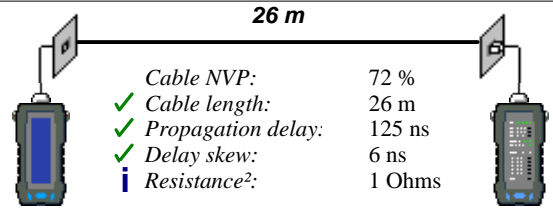
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



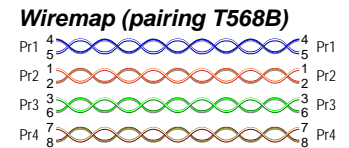
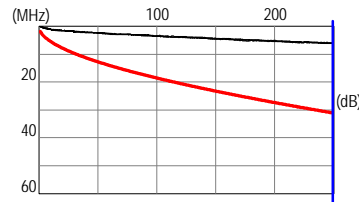
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:19 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3052)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3096)
 Profile: Default Cat 6
 Operator: Dennis



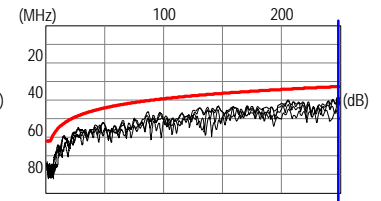
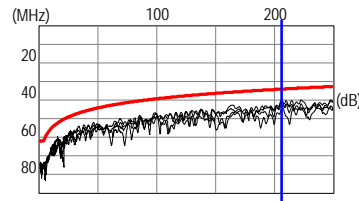
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 6.3
Limit (dB): 31.1
Margin (dB): 24.8
Frequency (MHz): 249.50



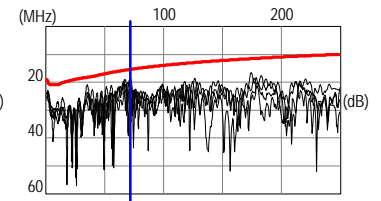
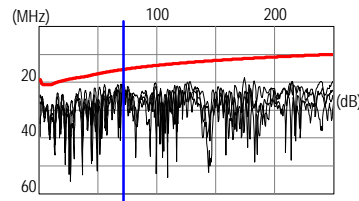
✓ **PowerSum NEXT (dB)** @WS @DR

Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 39.9 38.1
Limit (dB): 34.1 32.8
Margin (dB): 5.8 5.3
Frequency (MHz): 206.00 248.50



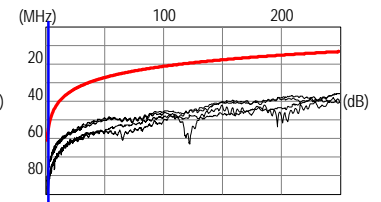
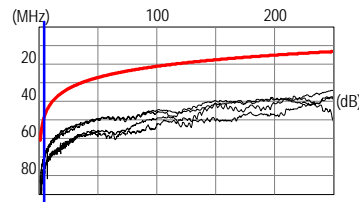
✓ **Return Loss (dB)** @WS @DR

Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 20.4 18.7
Limit (dB): 15.4 15.4
Margin (dB): 5.0 3.3
Frequency (MHz): 71.75 72.00



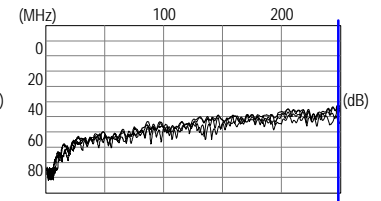
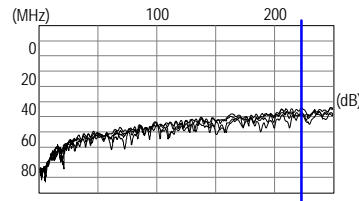
✓ **PowerSum ELFEXT (dB)** Atten(TX) Atten(RX)

Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 68.9 75.2
Limit (dB): 48.9 55.2
Margin (dB): 20.0 20.0
Frequency (MHz): 4.13 2.00



ⓘ **PowerSum ACR² (dB)** @WS @DR

Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 34.0 32.1
Limit (dB): 34.0 32.1
Margin (dB): 0.0 0.0
Frequency (MHz): 223.00 248.50



Networks tested

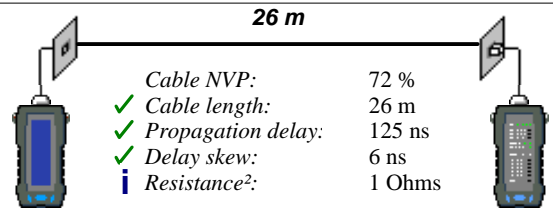
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



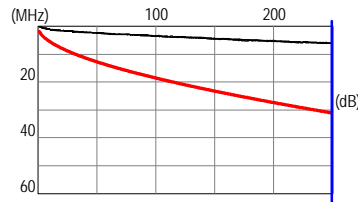
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:19 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3052)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3096)
 Profile: Default Cat 6
 Operator: Dennis

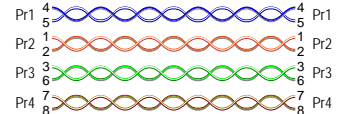


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 6.3
Limit (dB): 31.1
Margin (dB): 24.8
Frequency (MHz): 249.50

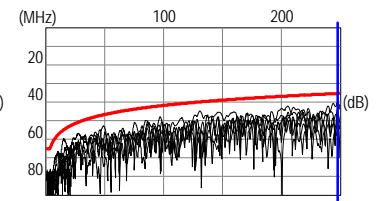
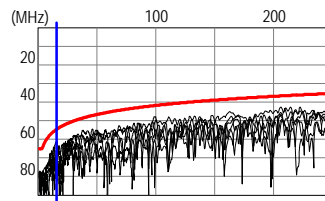


Wiremap (pairing T568B)



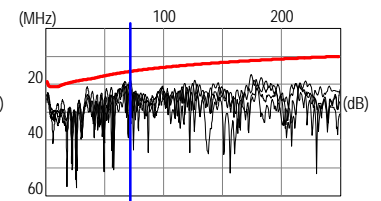
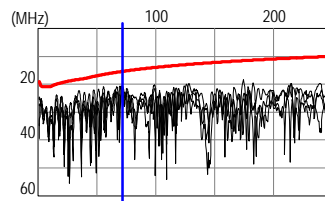
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	3-4
Value (dB):	60.4	40.2
Limit (dB):	54.8	35.4
Margin (dB):	5.6	4.8
Frequency (MHz):	15.63	248.00



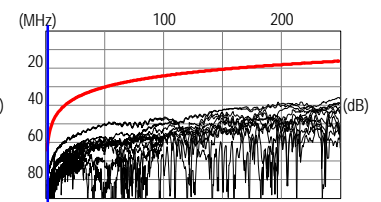
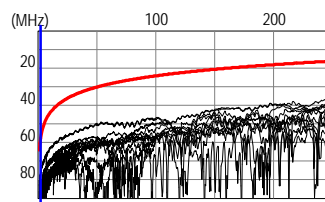
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.4	18.7
Limit (dB):	15.4	15.4
Margin (dB):	5.0	3.3
Frequency (MHz):	71.75	72.00



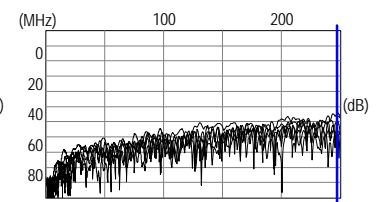
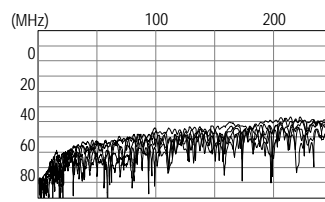
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	74.7	77.5
Limit (dB):	57.1	60.0
Margin (dB):	17.6	17.5
Frequency (MHz):	2.25	1.63



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	36.6	34.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.00	247.50



Networks tested

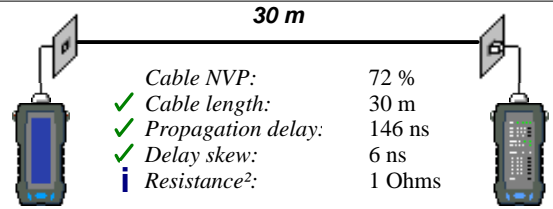
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



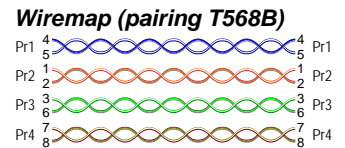
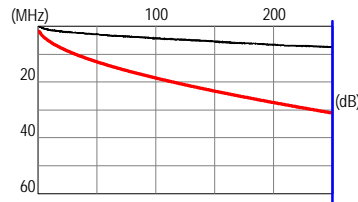
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:20 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3053)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3097)
 Profile: Default Cat 6
 Operator: Dennis



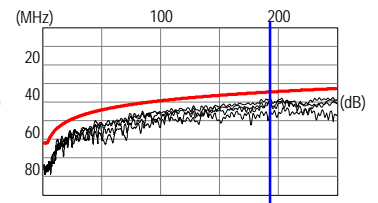
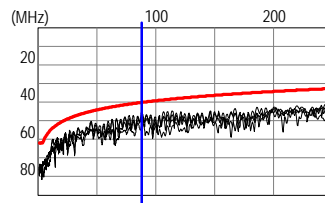
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 7.6
Limit (dB): 31.1
Margin (dB): 23.5
Frequency (MHz): 250.00



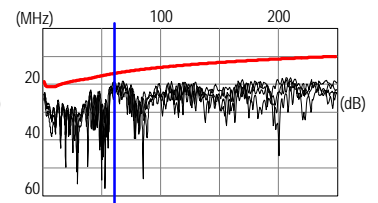
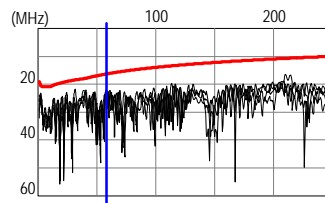
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 45.5 38.0
Limit (dB): 40.2 34.6
Margin (dB): 5.3 3.4
Frequency (MHz): 88.00 193.00



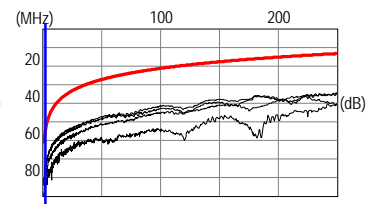
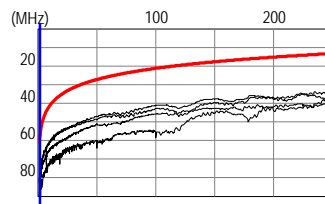
✓ **Return Loss (dB) @WS @DR**

Worst pair: 4 (7,8) 1 (4,5)
Value (dB): 22.1 19.0
Limit (dB): 16.4 16.2
Margin (dB): 5.7 2.8
Frequency (MHz): 58.00 60.75



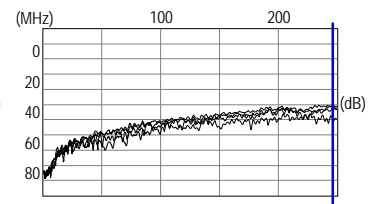
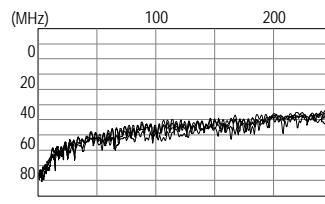
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 74.5 71.3
Limit (dB): 56.3 53.7
Margin (dB): 18.2 17.6
Frequency (MHz): 1.75 2.38



ⓘ **PowerSum ACR² (dB) @WS @DR**

Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 32.8 30.1
Limit (dB): 30.1 30.1
Margin (dB): 2.7 0.0
Frequency (MHz): 247.00 246.00



Networks tested

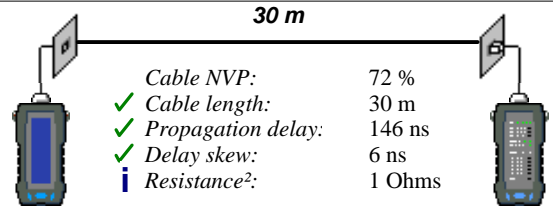
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



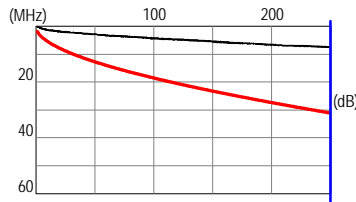
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:20 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3053)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3097)
 Profile: Default Cat 6
 Operator: Dennis

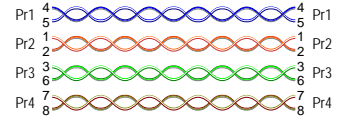


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.6
Limit (dB): 31.1
Margin (dB): 23.5
Frequency (MHz): 250.00

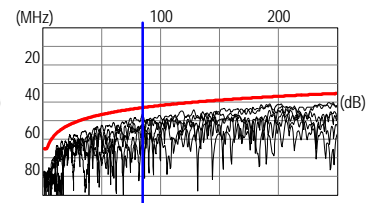
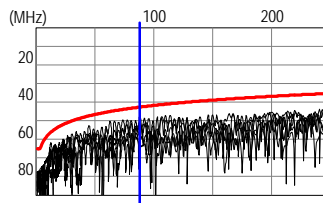


Wiremap (pairing T568B)



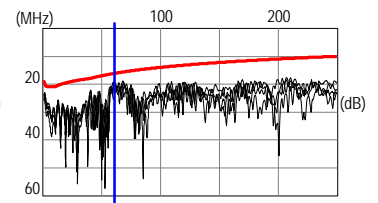
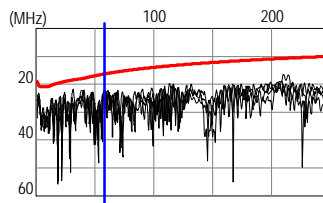
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-4
Value (dB):	47.6	46.6
Limit (dB):	42.7	43.0
Margin (dB):	4.9	3.6
Frequency (MHz):	88.25	84.75



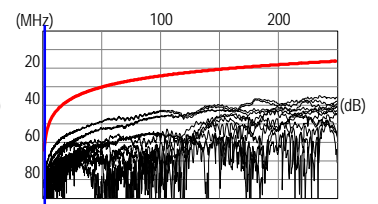
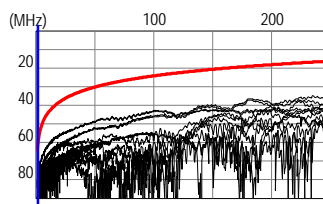
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	22.1	19.0
Limit (dB):	16.4	16.2
Margin (dB):	5.7	2.8
Frequency (MHz):	58.00	60.75



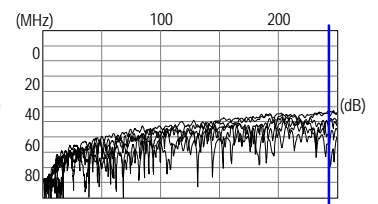
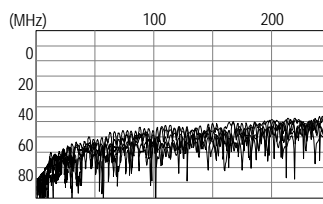
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	75.1	74.9
Limit (dB):	59.3	59.3
Margin (dB):	15.8	15.6
Frequency (MHz):	1.75	1.75



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	34.9	32.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	247.00	243.00



Networks tested

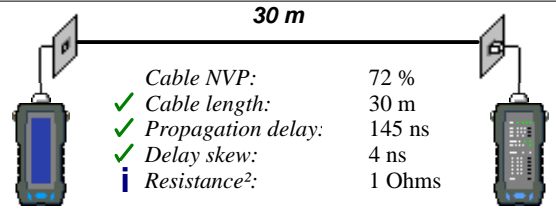
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

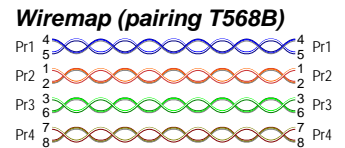
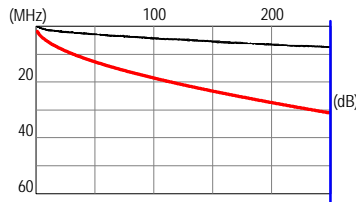


Cable Certification Report (PowerSum data)

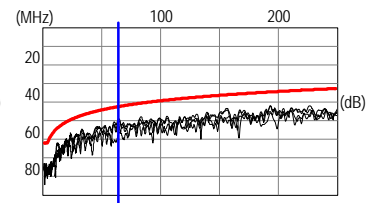
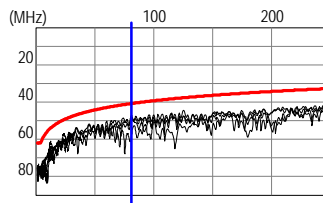
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 11:22 AM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3054)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3098)
Profile: Default Cat 6
Operator: Dennis



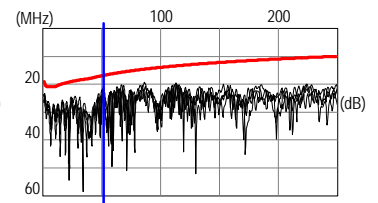
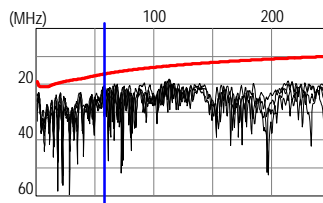
Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 7.6
Limit (dB): 31.1
Margin (dB): 23.5
Frequency (MHz): 250.00



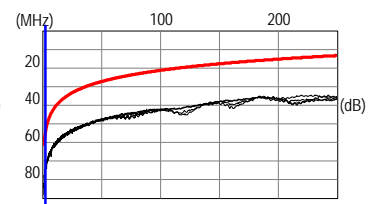
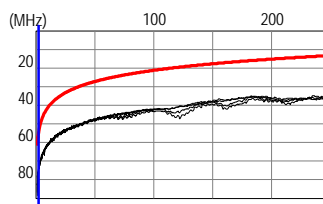
PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 47.1 48.9
Limit (dB): 40.8 42.5
Margin (dB): 6.3 6.4
Frequency (MHz): 81.00 64.25



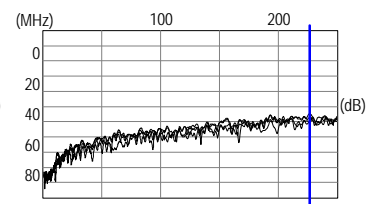
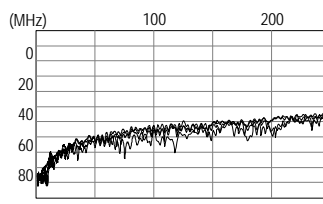
Return Loss (dB) @WS @DR
Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 20.4 21.2
Limit (dB): 16.4 16.9
Margin (dB): 4.0 4.3
Frequency (MHz): 58.00 51.50



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 72.2 71.4
Limit (dB): 54.2 53.7
Margin (dB): 18.0 17.7
Frequency (MHz): 2.25 2.38



PowerSum ACR² (dB) @WS @DR
Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 33.9 34.8
Limit (dB): 33.9 34.8
Margin (dB): 0 0
Frequency (MHz): 245.00 226.50



Networks tested

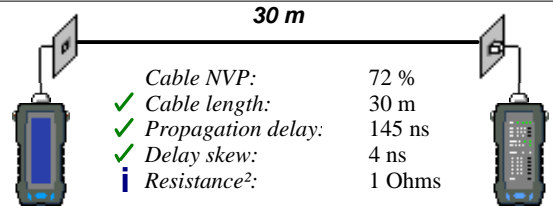
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



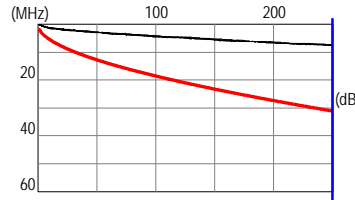
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:22 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3054)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3098)
 Profile: Default Cat 6
 Operator: Dennis

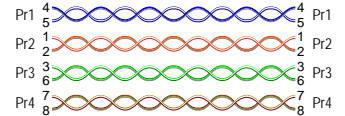


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.6
Limit (dB): 31.1
Margin (dB): 23.5
Frequency (MHz): 250.00

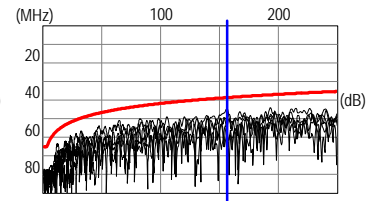
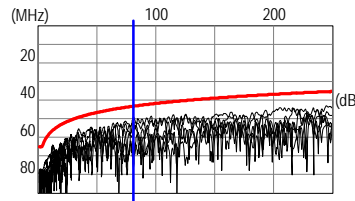


Wiremap (pairing T568B)



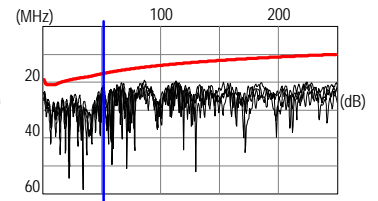
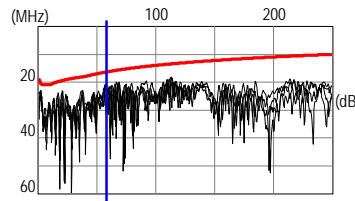
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	49.1	44.8
Limit (dB):	43.3	38.7
Margin (dB):	5.8	6.1
Frequency (MHz):	81.00	156.50



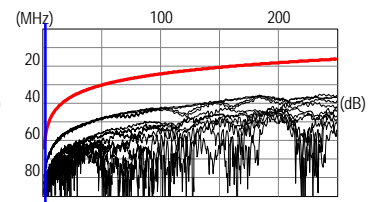
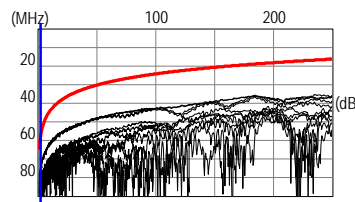
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	20.4	21.2
Limit (dB):	16.4	16.9
Margin (dB):	4.0	4.3
Frequency (MHz):	58.00	51.50



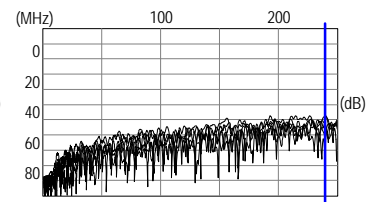
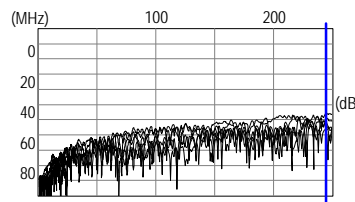
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	72.5	72.5
Limit (dB):	57.1	57.1
Margin (dB):	15.4	15.4
Frequency (MHz):	2.25	2.25



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	35.5	37.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	244.50	239.50



Networks tested

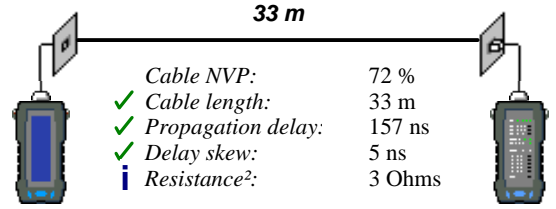
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



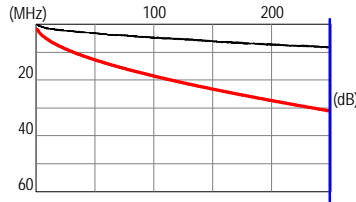
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:23 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3055)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3099)
 Profile: Default Cat 6
 Operator: Dennis

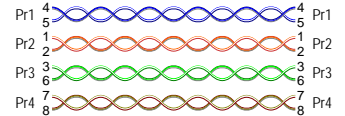


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 8.5
Limit (dB): 31.1
Margin (dB): 22.6
Frequency (MHz): 249.50

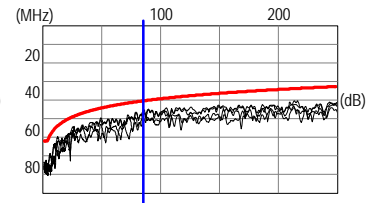
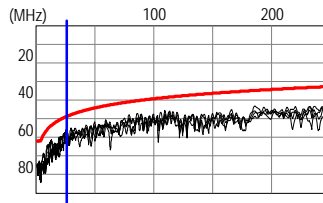


Wiremap (pairing T568B)



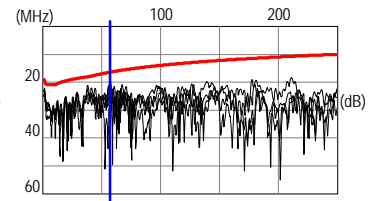
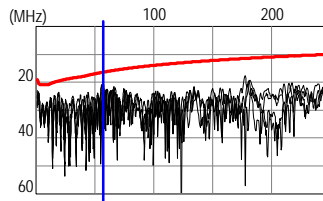
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	54.9	45.0
Limit (dB):	48.8	40.4
Margin (dB):	6.1	4.6
Frequency (MHz):	26.00	85.50



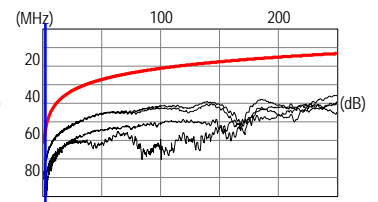
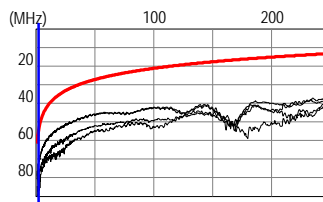
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.3	19.5
Limit (dB):	16.4	16.4
Margin (dB):	3.9	3.1
Frequency (MHz):	57.00	57.00



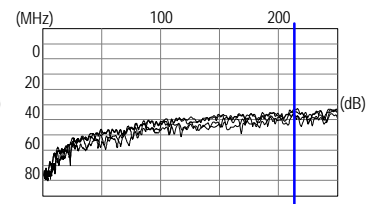
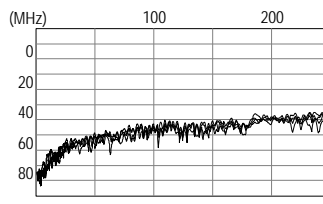
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	70.9	70.5
Limit (dB):	54.6	54.6
Margin (dB):	16.3	15.9
Frequency (MHz):	2.13	2.13



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	34.9	32.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	247.50	213.50



Networks tested

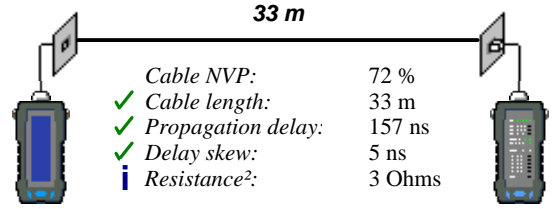
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



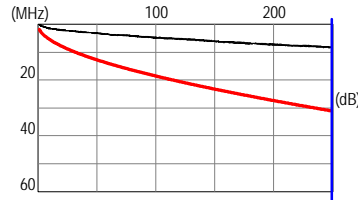
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:23 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3055)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3099)
 Profile: Default Cat 6
 Operator: Dennis

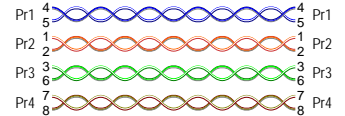


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 8.5
Limit (dB): 31.1
Margin (dB): 22.6
Frequency (MHz): 249.50

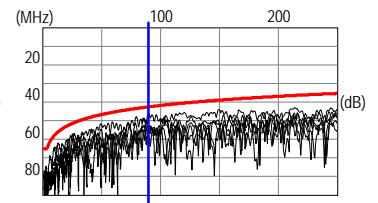
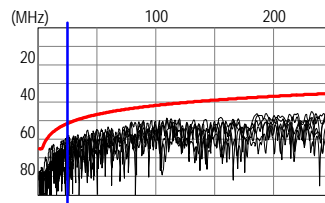


Wiremap (pairing T568B)



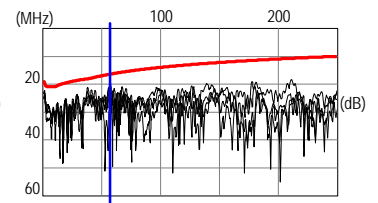
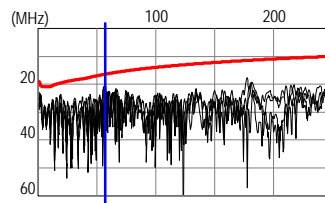
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	1-3
Value (dB):	58.0	46.3
Limit (dB):	51.5	42.6
Margin (dB):	6.5	3.7
Frequency (MHz):	25.25	89.75



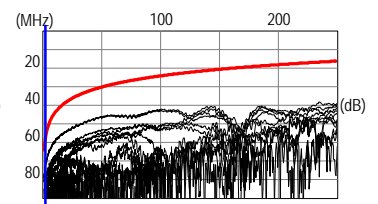
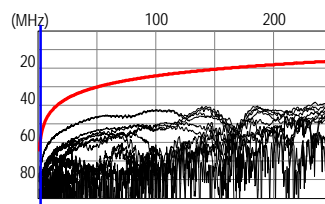
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.3	19.5
Limit (dB):	16.4	16.4
Margin (dB):	3.9	3.1
Frequency (MHz):	57.00	57.00



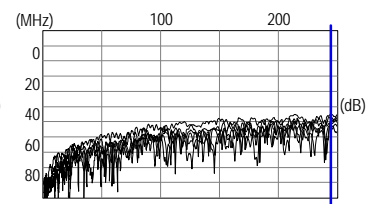
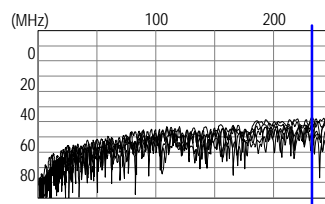
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	71.0	71.0
Limit (dB):	57.6	57.6
Margin (dB):	13.4	13.4
Frequency (MHz):	2.13	2.13



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	37.0	34.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	232.50	244.50



Networks tested

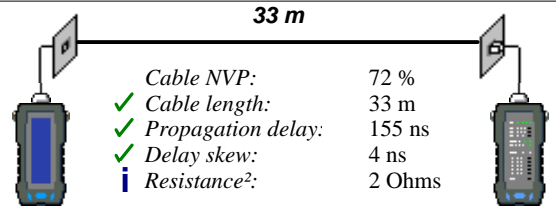
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



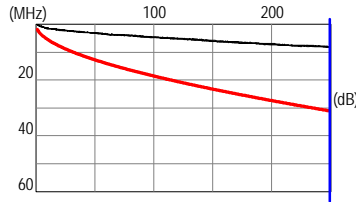
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:24 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3056)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3100)
 Profile: Default Cat 6
 Operator: Dennis

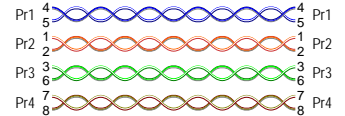


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 8.4
Limit (dB): 31.1
Margin (dB): 22.7
Frequency (MHz): 249.50

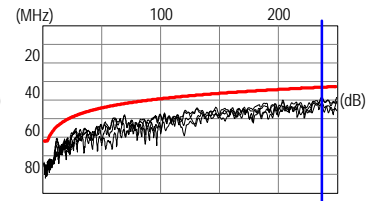
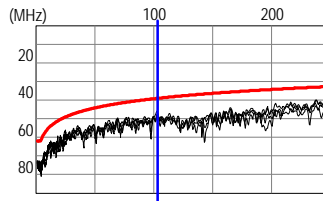


Wiremap (pairing T568B)



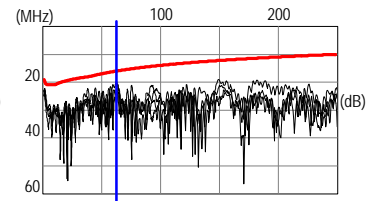
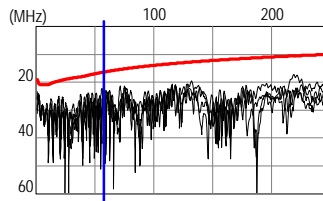
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	45.9	38.4
Limit (dB):	39.1	33.1
Margin (dB):	6.8	5.3
Frequency (MHz):	103.00	237.00



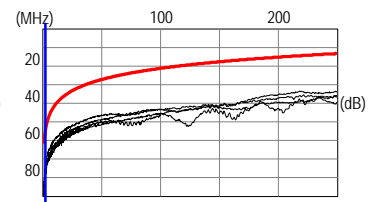
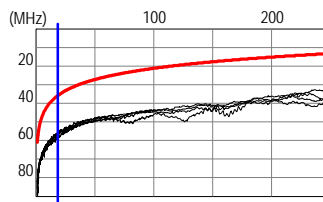
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	22.0	19.6
Limit (dB):	16.4	16.1
Margin (dB):	5.6	3.5
Frequency (MHz):	57.50	62.25



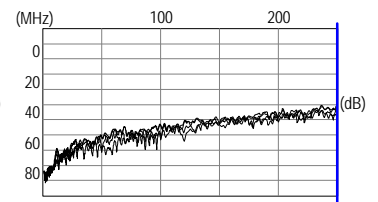
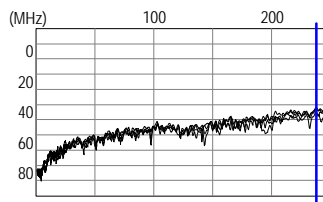
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	54.4	71.8
Limit (dB):	36.0	54.2
Margin (dB):	18.4	17.6
Frequency (MHz):	18.25	2.25



ⓘ PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	32.0	30.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	238.00	250.00



Networks tested

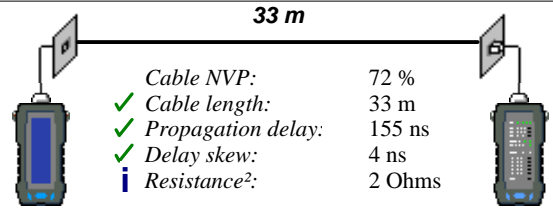
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



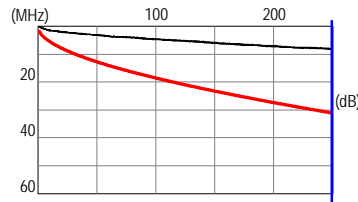
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:24 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3056)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3100)
 Profile: Default Cat 6
 Operator: Dennis

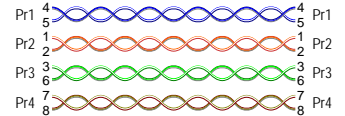


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 8.4
Limit (dB): 31.1
Margin (dB): 22.7
Frequency (MHz): 249.50

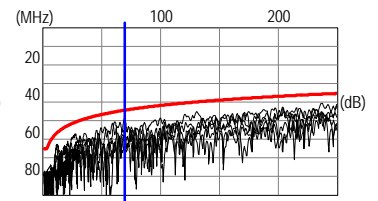
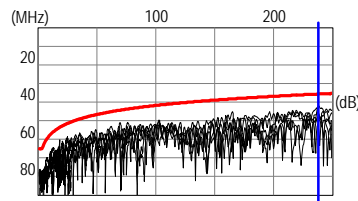


Wiremap (pairing T568B)



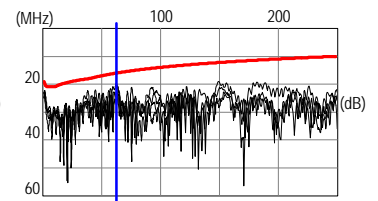
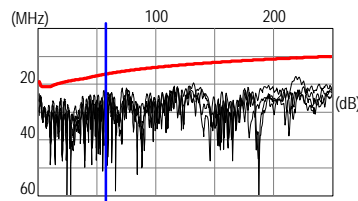
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	1-4
Value (dB):	41.9	48.6
Limit (dB):	35.7	44.4
Margin (dB):	6.2	4.2
Frequency (MHz):	238.00	69.50



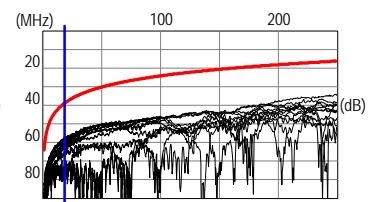
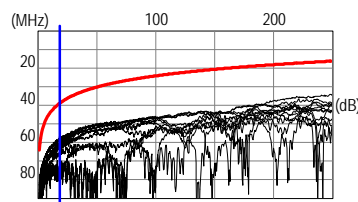
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	22.0	19.6
Limit (dB):	16.4	16.1
Margin (dB):	5.6	3.5
Frequency (MHz):	57.50	62.25



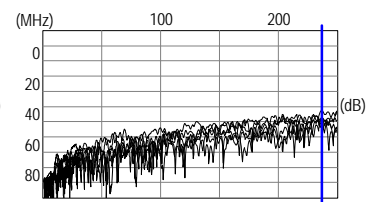
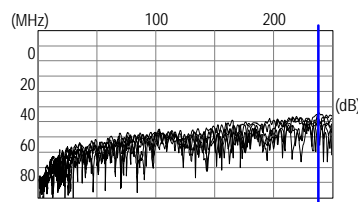
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	55.5	55.6
Limit (dB):	39.0	39.0
Margin (dB):	16.5	16.6
Frequency (MHz):	18.25	18.25



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	33.9	32.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	238.00	237.00



Networks tested

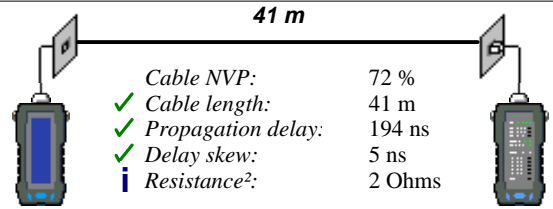
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



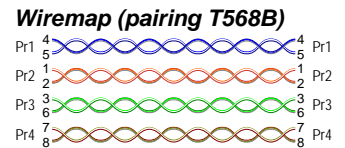
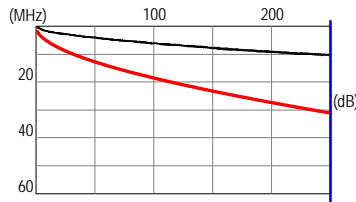
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:26 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3057)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3101)
 Profile: Default Cat 6
 Operator: Dennis



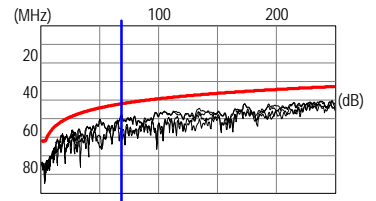
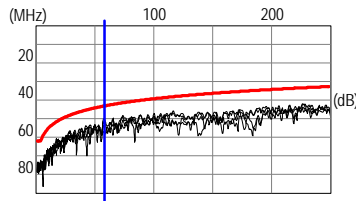
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 10.6
Limit (dB): 31.1
Margin (dB): 20.5
Frequency (MHz): 250.00



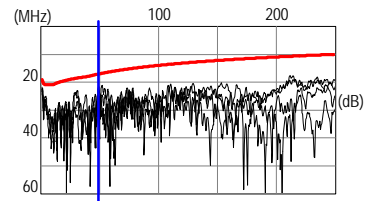
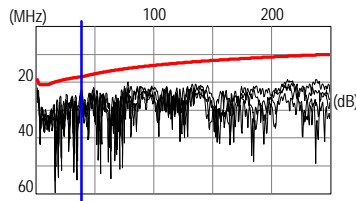
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 49.9 47.9
Limit (dB): 43.2 42.0
Margin (dB): 6.7 5.9
Frequency (MHz): 58.00 68.25



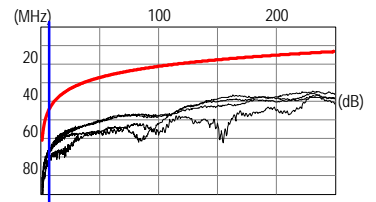
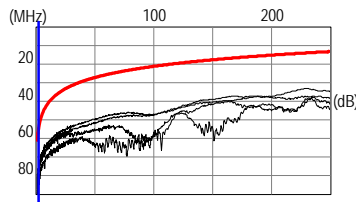
✓ **Return Loss (dB) @WS @DR**

Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 22.5 21.4
Limit (dB): 18.1 17.1
Margin (dB): 4.4 4.3
Frequency (MHz): 38.75 49.00



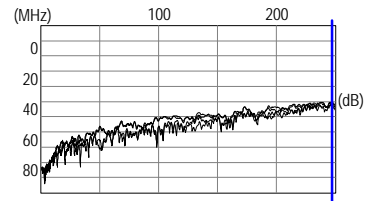
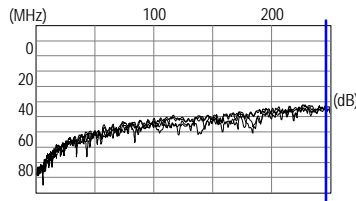
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 2 (1,2) 1 (4,5)
Value (dB): 73.2 62.9
Limit (dB): 54.6 44.1
Margin (dB): 18.6 18.8
Frequency (MHz): 2.13 7.13



i **PowerSum ACR² (dB) @WS @DR**

Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 32.2 30.3
Limit (dB): 31.1 30.3
Margin (dB): 1.1 0.0
Frequency (MHz): 246.00 247.50



Networks tested

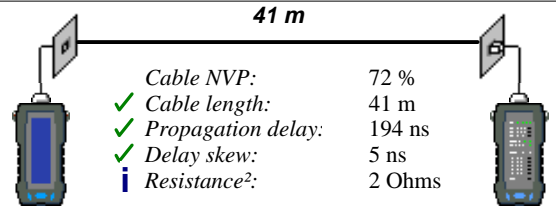
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



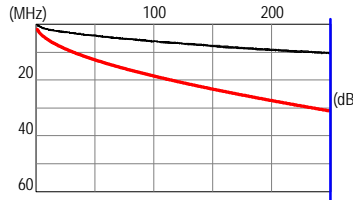
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:26 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3057)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3101)
 Profile: Default Cat 6
 Operator: Dennis

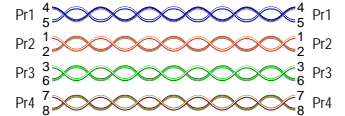


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 10.6
Limit (dB): 31.1
Margin (dB): 20.5
Frequency (MHz): 250.00

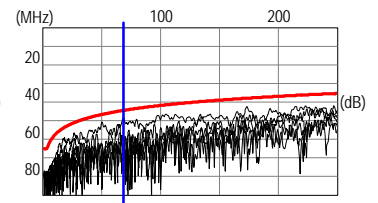
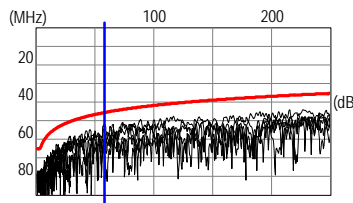


Wiremap (pairing T568B)



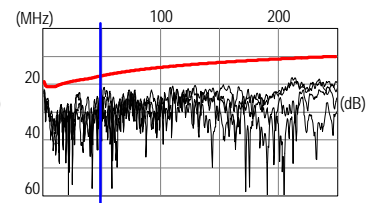
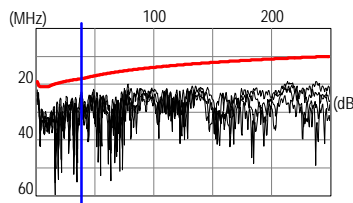
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	51.7	48.3
Limit (dB):	45.7	44.5
Margin (dB):	6.0	3.8
Frequency (MHz):	58.00	68.25



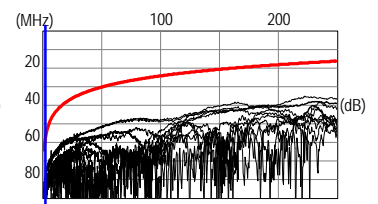
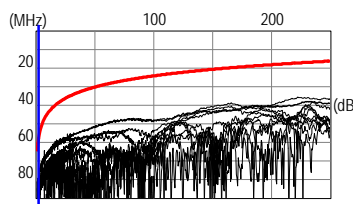
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	22.5	21.4
Limit (dB):	18.1	17.1
Margin (dB):	4.4	4.3
Frequency (MHz):	38.75	49.00



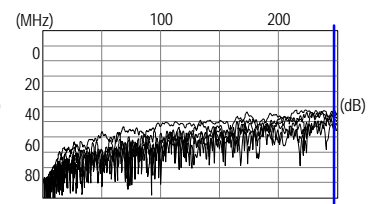
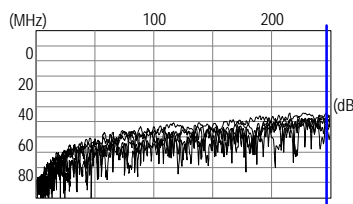
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	2-1	2-1
Value (dB):	74.9	74.9
Limit (dB):	57.6	57.6
Margin (dB):	17.3	17.3
Frequency (MHz):	2.13	2.13



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	34.1	31.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	246.50	247.50



Networks tested

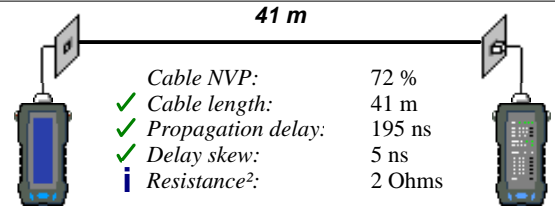
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



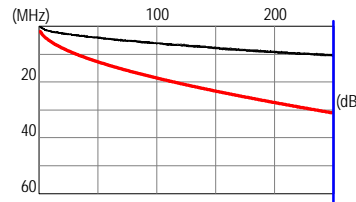
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:28 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3058)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3102)
 Profile: Default Cat 6
 Operator: Dennis

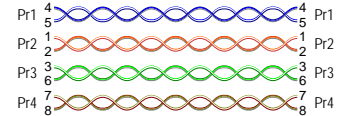


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 10.7
Limit (dB): 31.1
Margin (dB): 20.4
Frequency (MHz): 250.00

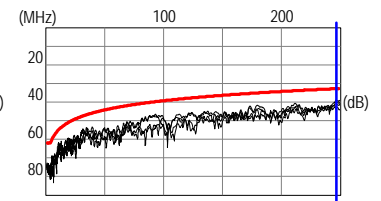
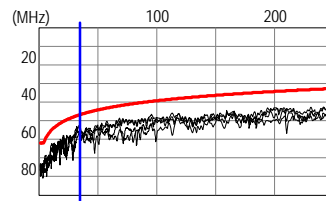


Wiremap (pairing T568B)



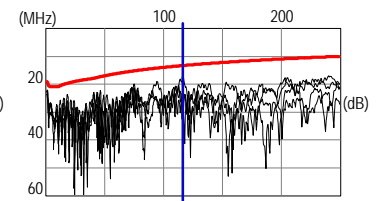
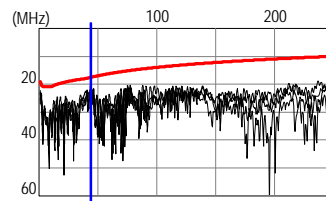
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	52.0	38.8
Limit (dB):	46.8	32.8
Margin (dB):	5.2	6.0
Frequency (MHz):	34.75	247.00



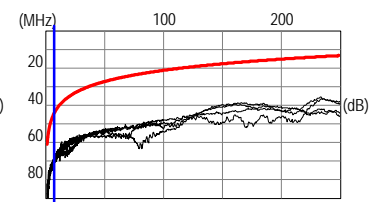
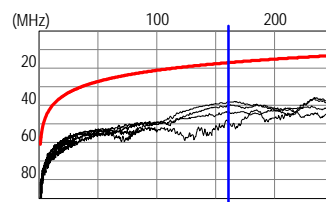
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	20.6	17.2
Limit (dB):	17.6	13.3
Margin (dB):	3.0	3.9
Frequency (MHz):	44.00	116.50



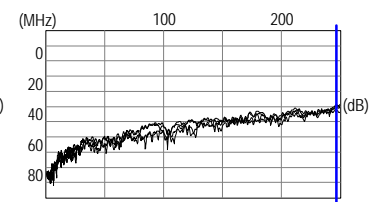
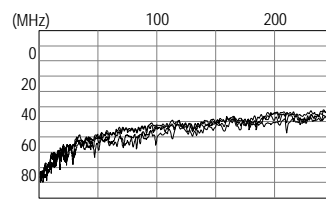
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	38.0	63.8
Limit (dB):	17.1	44.1
Margin (dB):	20.9	19.7
Frequency (MHz):	161.00	7.13



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	31.4	28.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	247.50	246.50



Networks tested

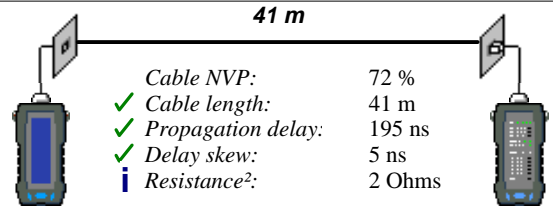
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



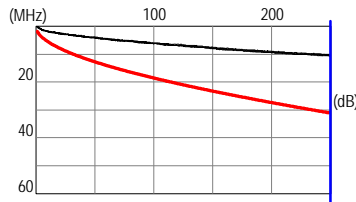
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 11:28 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3058)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3102)
 Profile: Default Cat 6
 Operator: Dennis

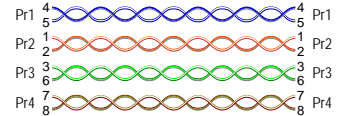


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 10.7
Limit (dB): 31.1
Margin (dB): 20.4
Frequency (MHz): 250.00

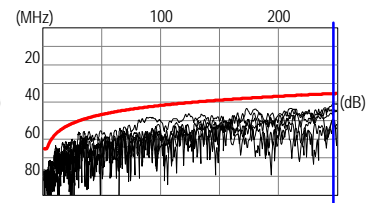
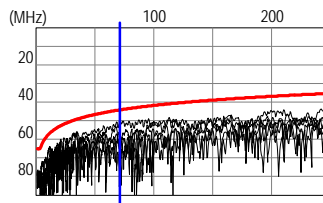


Wiremap (pairing T568B)



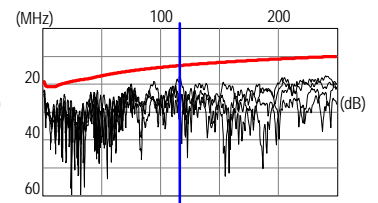
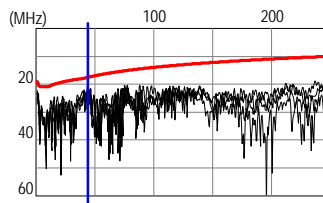
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-4
Value (dB):	49.5	40.5
Limit (dB):	44.2	35.4
Margin (dB):	5.3	5.1
Frequency (MHz):	71.25	247.00



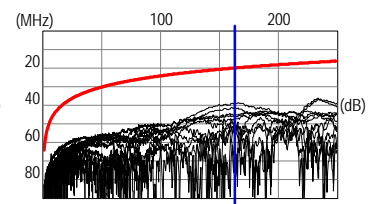
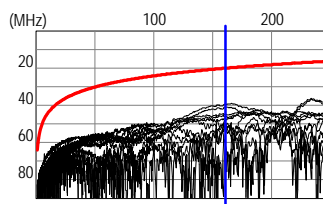
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	20.6	17.2
Limit (dB):	17.6	13.3
Margin (dB):	3.0	3.9
Frequency (MHz):	44.00	116.50



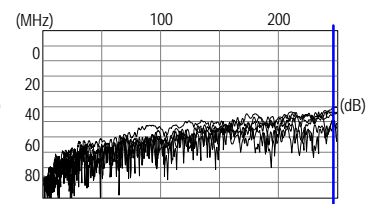
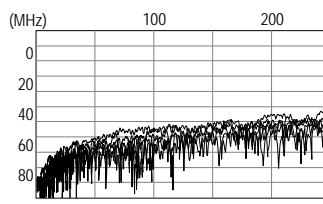
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	2-1	2-1
Value (dB):	39.2	38.6
Limit (dB):	20.1	19.9
Margin (dB):	19.1	18.7
Frequency (MHz):	161.00	163.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	32.8	30.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	247.50	246.50



Networks tested

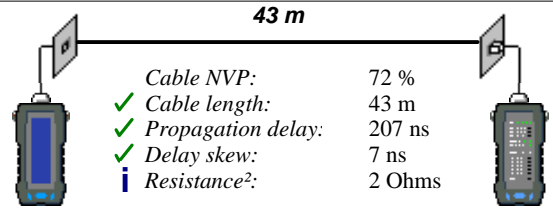
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



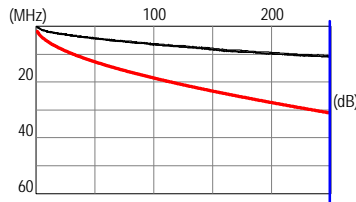
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:25 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3059)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3103)
 Profile: Default Cat 6
 Operator: Dennis

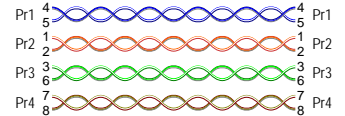


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 11.2
Limit (dB): 31.1
Margin (dB): 19.9
Frequency (MHz): 249.50

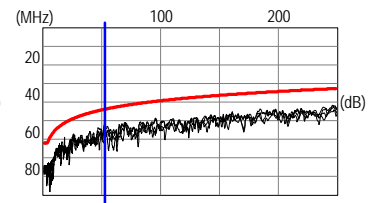
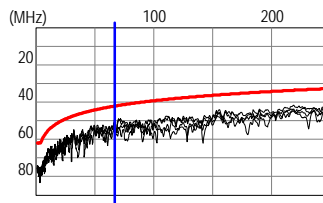


Wiremap (pairing T568B)



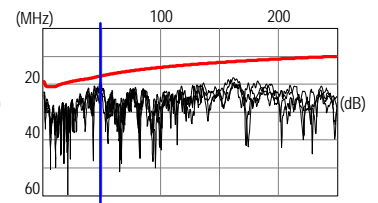
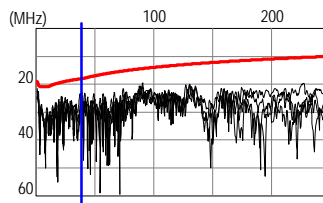
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	49.4	51.6
Limit (dB):	42.2	43.9
Margin (dB):	7.2	7.7
Frequency (MHz):	66.75	52.50



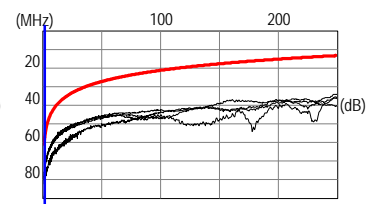
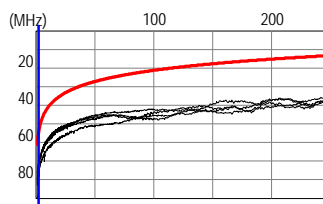
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	22.6	19.3
Limit (dB):	18.1	17.1
Margin (dB):	4.5	2.2
Frequency (MHz):	38.75	49.00



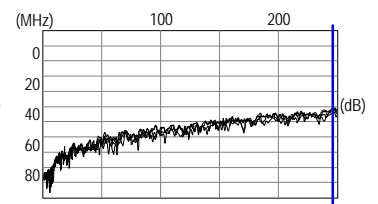
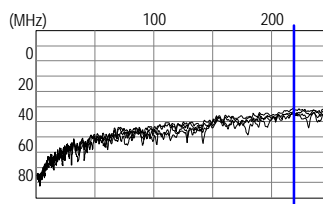
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	69.9	70.6
Limit (dB):	55.2	55.7
Margin (dB):	14.7	14.9
Frequency (MHz):	2.00	1.88



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	31.1	30.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	219.00	246.00



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

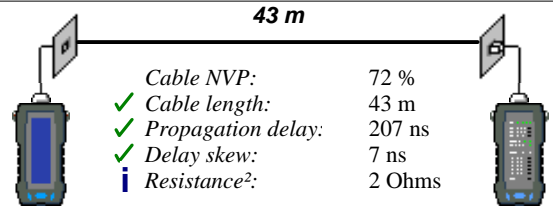
² Not required for selected limit



PASS

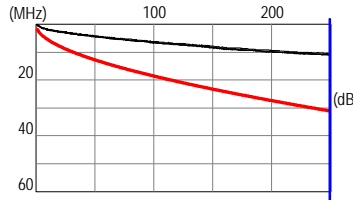
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:25 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3059)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3103)
 Profile: Default Cat 6
 Operator: Dennis

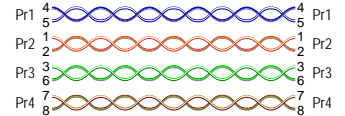


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 11.2
Limit (dB): 31.1
Margin (dB): 19.9
Frequency (MHz): 249.50

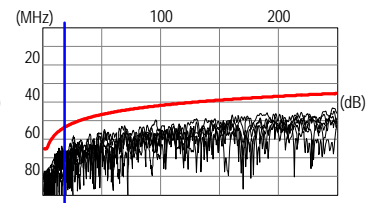
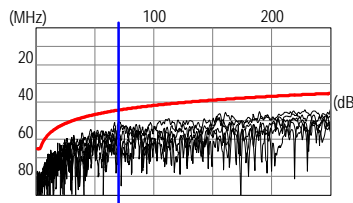


Wiremap (pairing T568B)



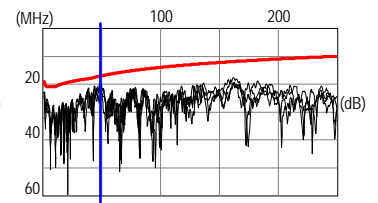
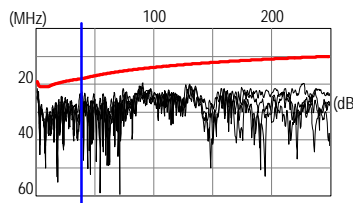
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	2-4
Value (dB):	50.7	60.6
Limit (dB):	44.3	53.7
Margin (dB):	6.4	6.9
Frequency (MHz):	70.25	18.25



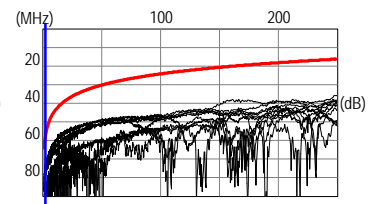
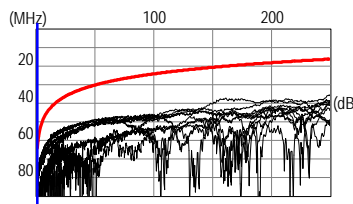
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	22.6	19.3
Limit (dB):	18.1	17.1
Margin (dB):	4.5	2.2
Frequency (MHz):	38.75	49.00



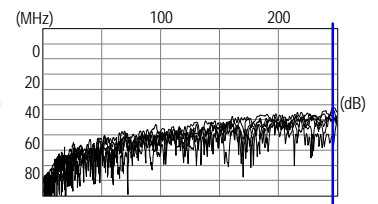
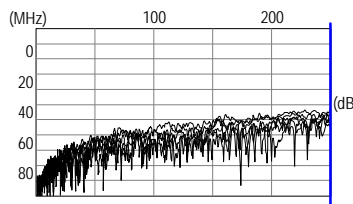
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-4
Value (dB):	77.9	72.1
Limit (dB):	64.2	58.2
Margin (dB):	13.7	13.9
Frequency (MHz):	1.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	32.8	32.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	246.00



Networks tested

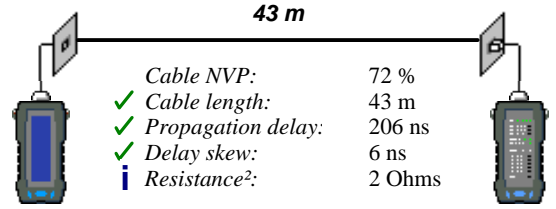
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



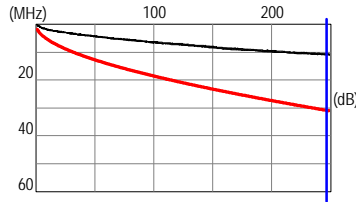
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:29 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3060)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3104)
 Profile: Default Cat 6
 Operator: Dennis

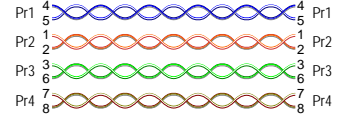


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 11.2
Limit (dB): 30.9
Margin (dB): 19.7
Frequency (MHz): 246.50

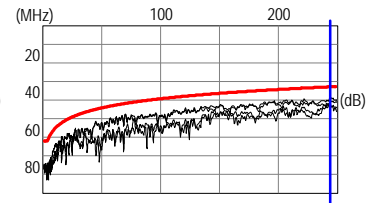
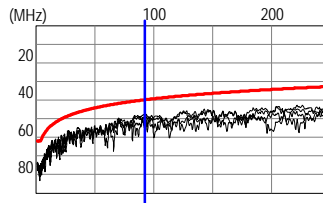


Wiremap (pairing T568B)



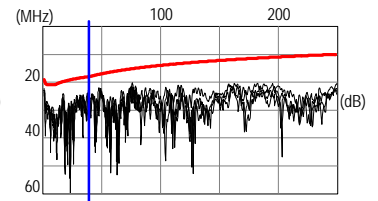
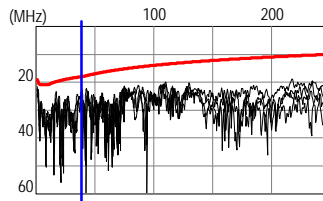
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	47.5	38.6
Limit (dB):	39.9	32.9
Margin (dB):	7.6	5.7
Frequency (MHz):	92.50	244.00



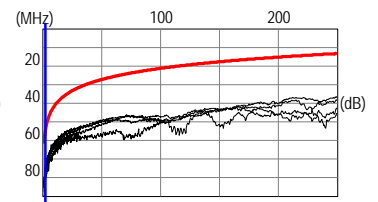
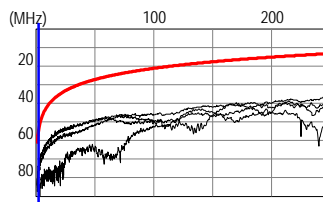
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	22.7	22.7
Limit (dB):	18.1	18.0
Margin (dB):	4.6	4.7
Frequency (MHz):	38.75	39.00



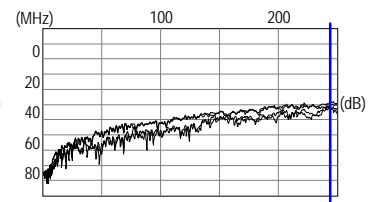
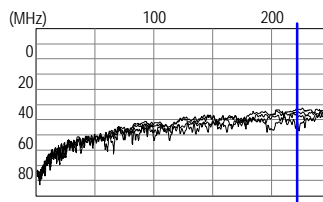
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	73.0	72.9
Limit (dB):	55.2	55.2
Margin (dB):	17.8	17.7
Frequency (MHz):	2.00	2.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	32.3	27.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	221.50	244.00



Networks tested

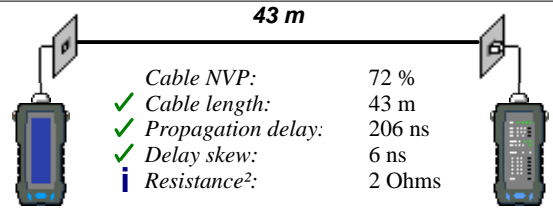
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



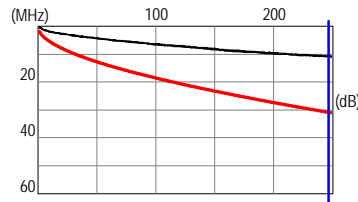
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:29 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3060)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3104)
 Profile: Default Cat 6
 Operator: Dennis

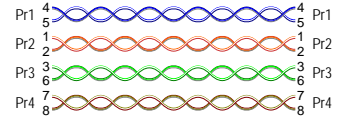


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 11.2
Limit (dB): 30.9
Margin (dB): 19.7
Frequency (MHz): 246.50

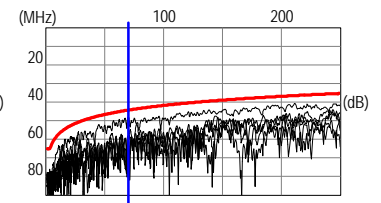
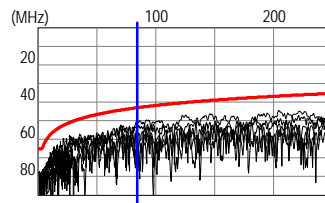


Wiremap (pairing T568B)



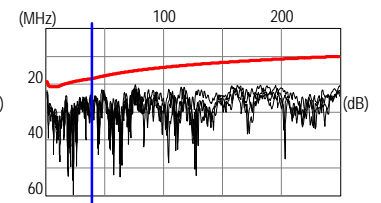
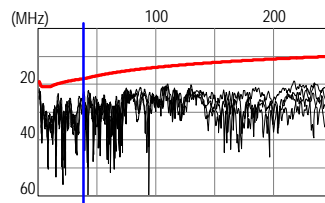
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	49.8	47.9
Limit (dB):	43.1	44.3
Margin (dB):	6.7	3.6
Frequency (MHz):	84.00	70.25



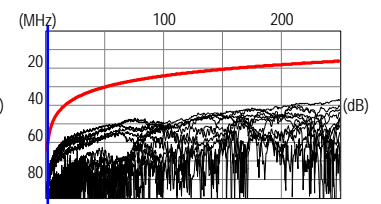
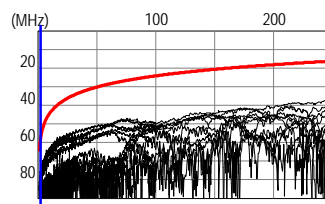
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	22.7	22.7
Limit (dB):	18.1	18.0
Margin (dB):	4.6	4.7
Frequency (MHz):	38.75	39.00



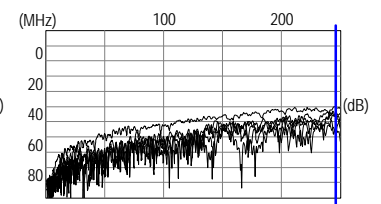
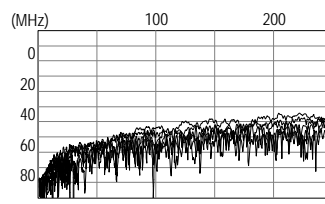
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	1-3
Value (dB):	75.1	75.5
Limit (dB):	58.2	58.7
Margin (dB):	16.9	16.8
Frequency (MHz):	2.00	1.88



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	34.1	30.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	246.00



Networks tested

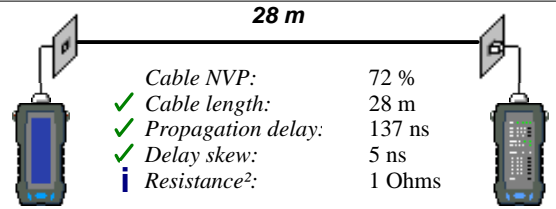
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



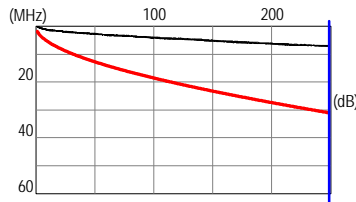
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:32 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3061)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3105)
 Profile: Default Cat 6
 Operator: Dennis

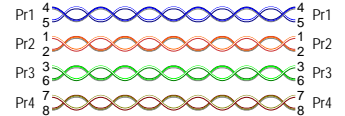


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.3
Limit (dB): 31.0
Margin (dB): 23.7
Frequency (MHz): 249.00

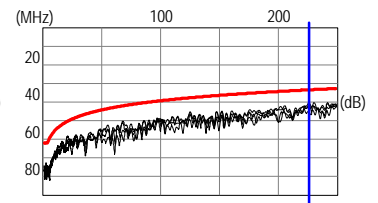
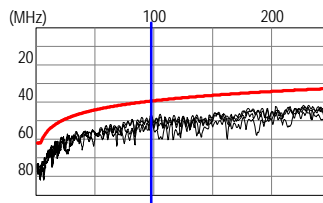


Wiremap (pairing T568B)



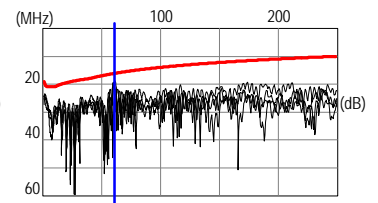
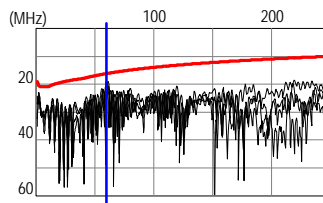
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	47.0	40.2
Limit (dB):	39.5	33.4
Margin (dB):	7.5	6.8
Frequency (MHz):	98.00	226.00



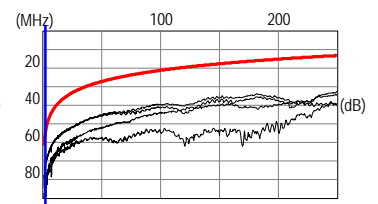
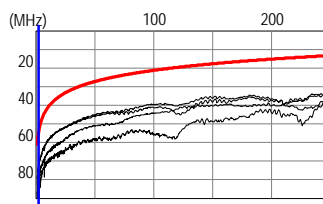
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	18.9	18.8
Limit (dB):	16.2	16.2
Margin (dB):	2.7	2.6
Frequency (MHz):	59.75	61.00



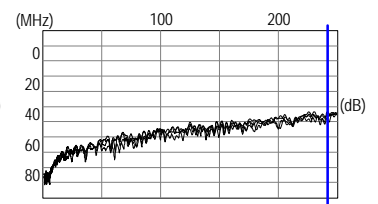
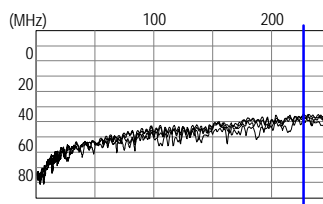
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	71.4	71.9
Limit (dB):	55.2	55.2
Margin (dB):	16.2	16.7
Frequency (MHz):	2.00	2.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	34.7	33.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	227.00	242.00



Networks tested

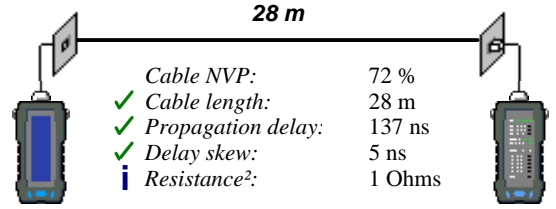
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



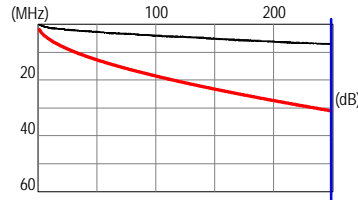
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:32 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3061)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3105)
 Profile: Default Cat 6
 Operator: Dennis

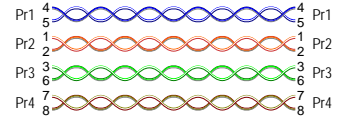


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.3
Limit (dB): 31.0
Margin (dB): 23.7
Frequency (MHz): 249.00

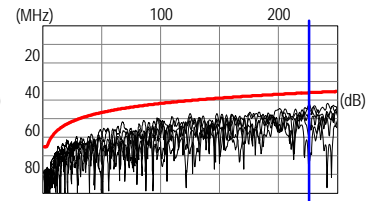
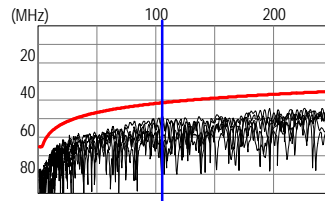


Wiremap (pairing T568B)



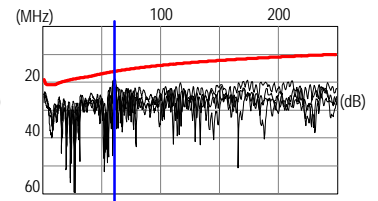
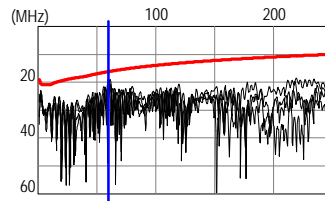
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-2
Value (dB):	48.2	42.1
Limit (dB):	41.5	36.1
Margin (dB):	6.7	6.0
Frequency (MHz):	105.50	226.00



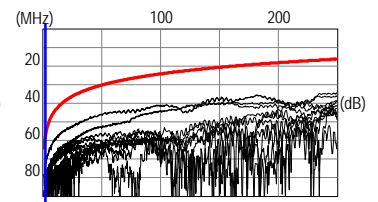
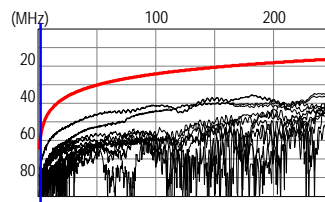
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	18.9	18.8
Limit (dB):	16.2	16.2
Margin (dB):	2.7	2.6
Frequency (MHz):	59.75	61.00



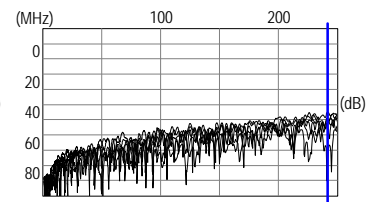
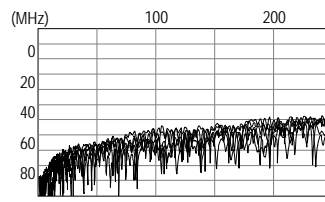
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	71.9	72.0
Limit (dB):	58.2	58.2
Margin (dB):	13.7	13.8
Frequency (MHz):	2.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-2
Value (dB):	36.4	34.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.00	242.00



Networks tested

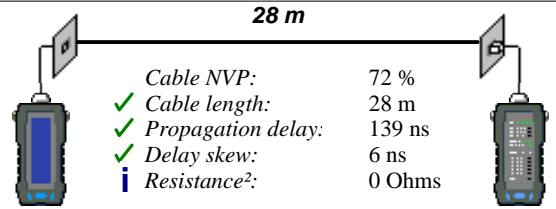
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

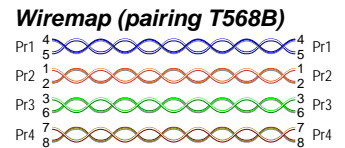
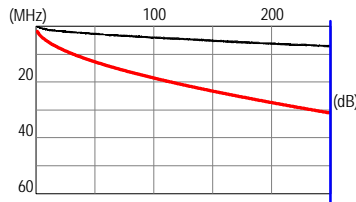


Cable Certification Report (PowerSum data)

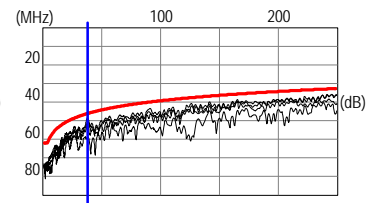
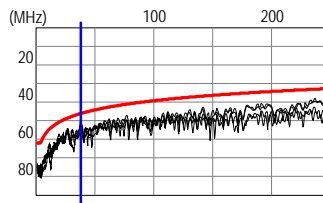
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 12:34 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3062)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3106)
Profile: Default Cat 6
Operator: Dennis



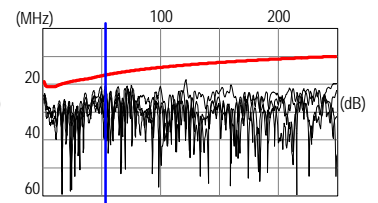
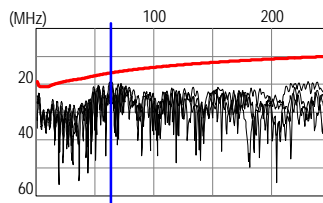
Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 7.4
Limit (dB): 31.1
Margin (dB): 23.7
Frequency (MHz): 250.00



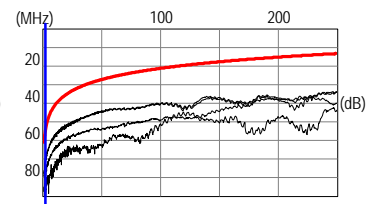
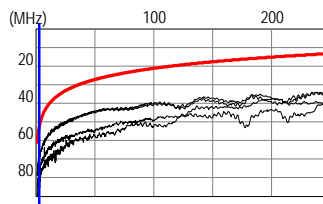
PowerSum NEXT (dB) @WS @DR
Worst pair: 2 (1,2) 2 (1,2)
Value (dB): 50.6 48.4
Limit (dB): 46.2 46.2
Margin (dB): 4.4 2.2
Frequency (MHz): 38.00 38.00



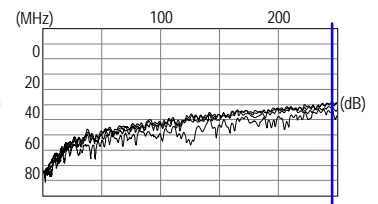
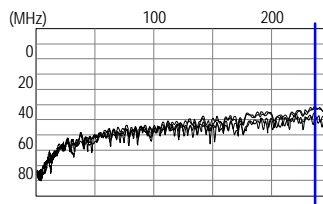
Return Loss (dB) @WS @DR
Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 18.8 20.6
Limit (dB): 16.0 16.7
Margin (dB): 2.8 3.9
Frequency (MHz): 63.75 53.25



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 68.0 69.9
Limit (dB): 52.8 55.2
Margin (dB): 15.2 14.7
Frequency (MHz): 2.63 2.00



PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 31.0 28.5
Limit (dB): 31.1 28.5
Margin (dB): 0.0 0.0
Frequency (MHz): 237.00 245.50



Networks tested

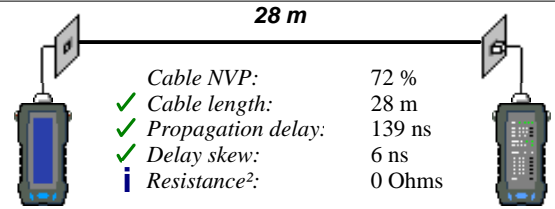
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



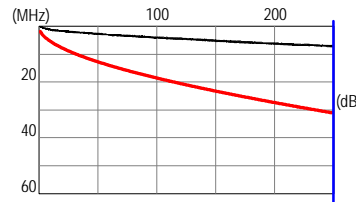
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:34 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3062)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3106)
 Profile: Default Cat 6
 Operator: Dennis

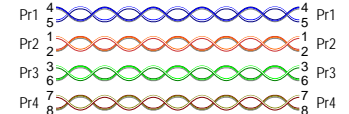


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.4
Limit (dB): 31.1
Margin (dB): 23.7
Frequency (MHz): 250.00

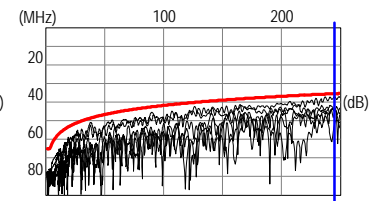
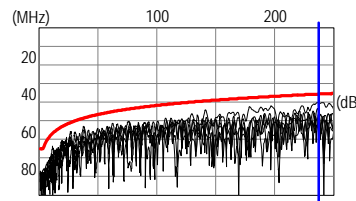


Wiremap (pairing T568B)



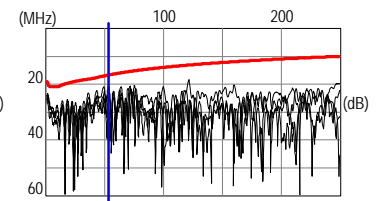
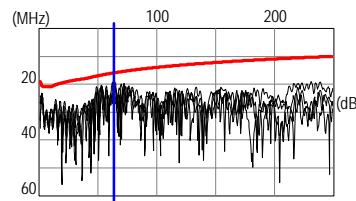
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	3-2
Value (dB):	40.2	37.0
Limit (dB):	35.7	35.5
Margin (dB):	4.5	1.5
Frequency (MHz):	237.50	245.00



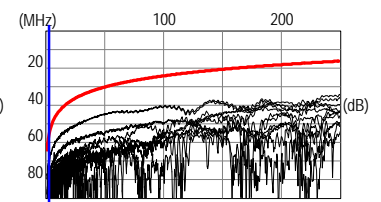
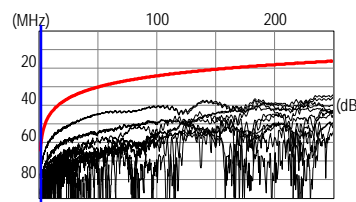
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	18.8	20.6
Limit (dB):	16.0	16.7
Margin (dB):	2.8	3.9
Frequency (MHz):	63.75	53.25



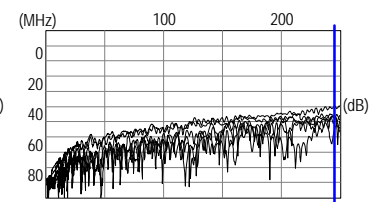
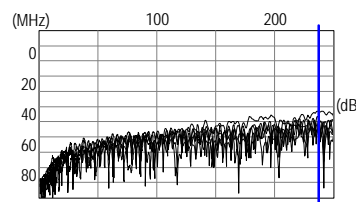
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	1-3
Value (dB):	73.1	68.3
Limit (dB):	60.7	55.8
Margin (dB):	12.4	12.5
Frequency (MHz):	1.50	2.63



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-2
Value (dB):	33.0	29.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	237.50	245.00



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

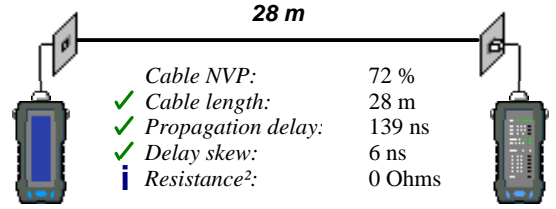
² Not required for selected limit



PASS

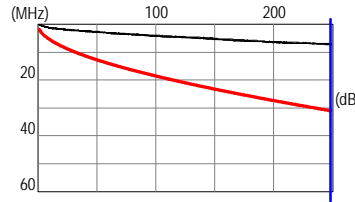
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:37 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3063)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3107)
 Profile: Default Cat 6
 Operator: Dennis

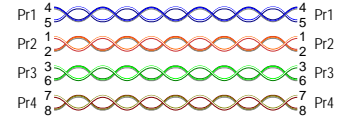


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.3
Limit (dB): 31.0
Margin (dB): 23.7
Frequency (MHz): 248.50

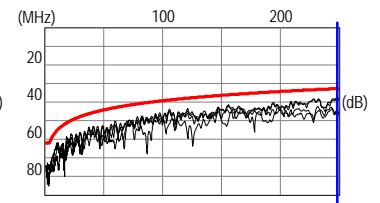
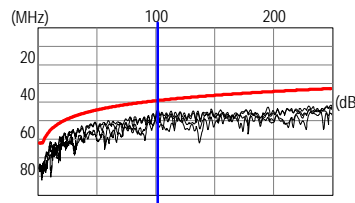


Wiremap (pairing T568B)



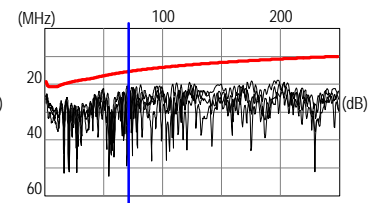
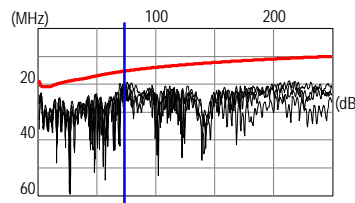
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	44.0	37.6
Limit (dB):	39.2	32.8
Margin (dB):	4.8	4.8
Frequency (MHz):	101.50	248.50



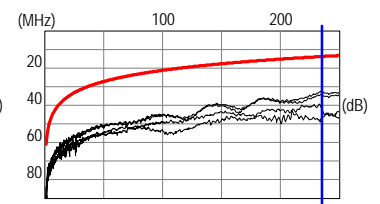
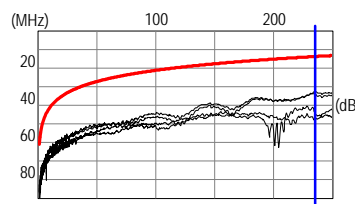
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	19.5	20.3
Limit (dB):	15.4	15.5
Margin (dB):	4.1	4.8
Frequency (MHz):	73.25	71.00



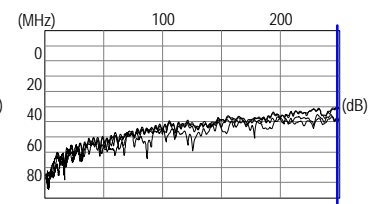
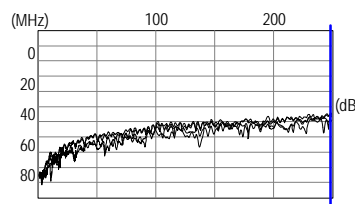
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	32.3	32.2
Limit (dB):	13.8	13.8
Margin (dB):	18.5	18.4
Frequency (MHz):	235.50	235.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	34.4	30.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	248.50



Networks tested

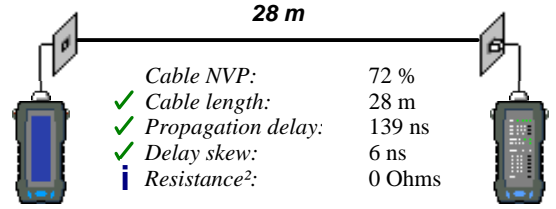
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



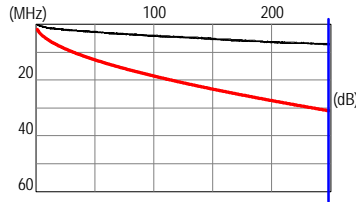
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:37 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3063)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3107)
 Profile: Default Cat 6
 Operator: Dennis

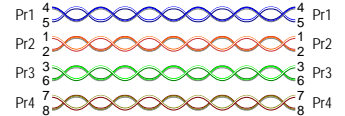


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.3
Limit (dB): 31.0
Margin (dB): 23.7
Frequency (MHz): 248.50

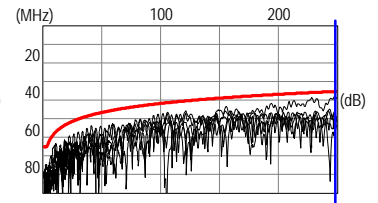
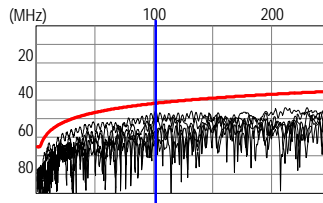


Wiremap (pairing T568B)



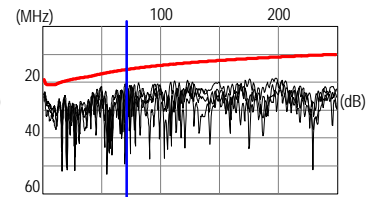
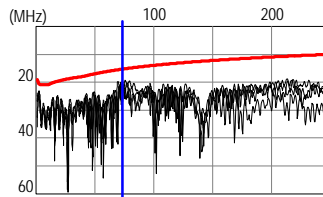
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	3-4
Value (dB):	45.7	38.0
Limit (dB):	41.7	35.4
Margin (dB):	4.0	2.6
Frequency (MHz):	101.50	248.50



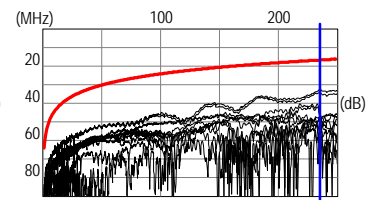
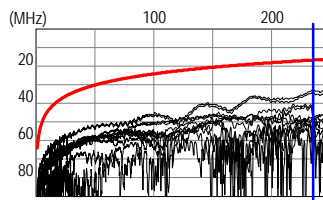
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	19.5	20.3
Limit (dB):	15.4	15.5
Margin (dB):	4.1	4.8
Frequency (MHz):	73.25	71.00



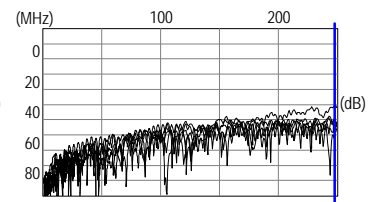
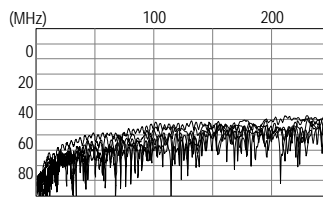
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	32.4	32.4
Limit (dB):	16.7	16.7
Margin (dB):	15.7	15.7
Frequency (MHz):	235.50	235.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	36.8	30.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	245.50	248.00



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

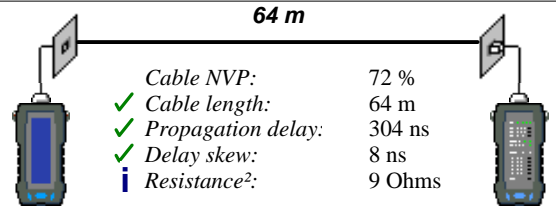
² Not required for selected limit



FAIL

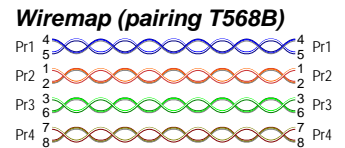
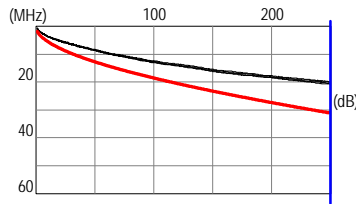
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:19 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3020)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3068)
 Profile: Default Cat 6
 Operator: Dennis



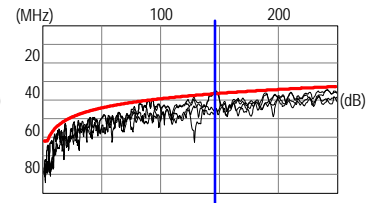
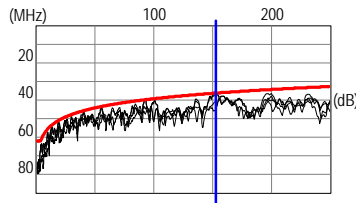
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 20.8
Limit (dB): 31.1
Margin (dB): 10.3
Frequency (MHz): 250.00



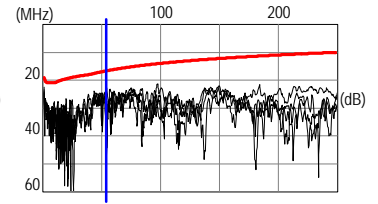
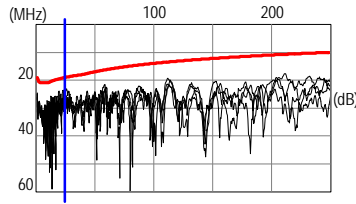
✗ **PowerSum NEXT (dB)** @WS @DR

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 35.1 35.1
Limit (dB): 36.3 36.6
Margin (dB): -1.2 -1.5
Frequency (MHz): 152.50 146.00



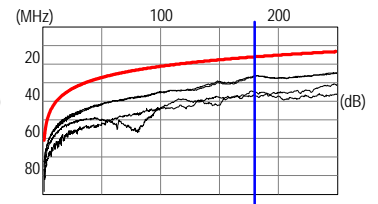
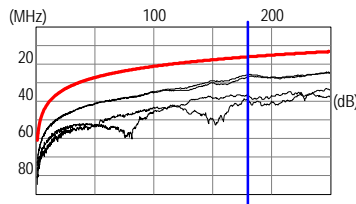
✓ **Return Loss (dB)** @WS @DR

Worst pair: 2 (1,2) 2 (1,2)
Value (dB): 22.7 21.9
Limit (dB): 19.0 16.7
Margin (dB): 3.7 5.2
Frequency (MHz): 24.63 53.75



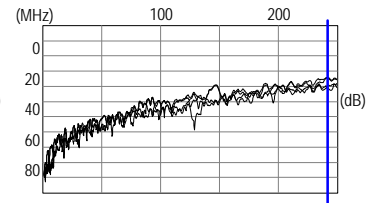
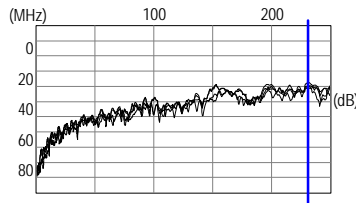
✓ **PowerSum ELFEXT (dB)** Atten(TX) Atten(RX)

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 25.6 26.1
Limit (dB): 16.1 16.1
Margin (dB): 9.5 10.0
Frequency (MHz): 180.00 180.00



i **PowerSum ACR² (dB)** @WS @DR

Worst pair: 4 (7,8) 3 (3,6)
Value (dB): 17.4 14.1
Limit (dB): 17.4 14.1
Margin (dB): 0 0
Frequency (MHz): 231.00 242.00



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

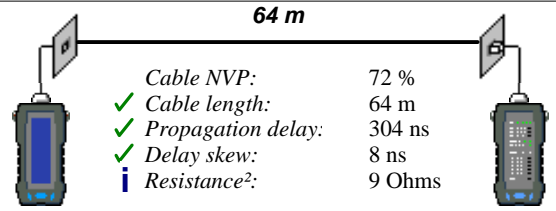
² Not required for selected limit



FAIL

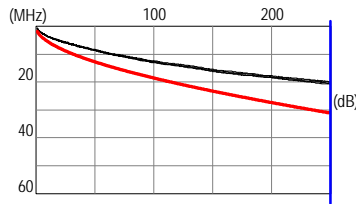
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 10:19 AM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3020)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3068)
 Profile: Default Cat 6
 Operator: Dennis

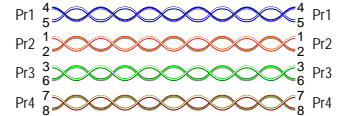


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 20.8
Limit (dB): 31.1
Margin (dB): 10.3
Frequency (MHz): 250.00

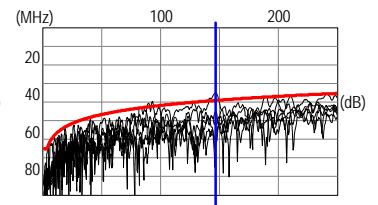
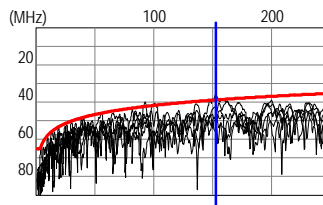


Wiremap (pairing T568B)



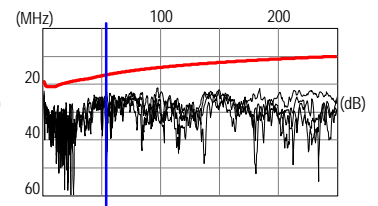
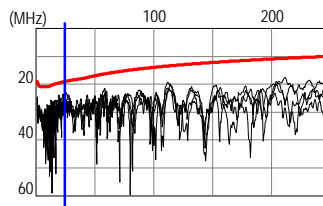
✗ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	35.8	35.1
Limit (dB):	38.9	39.1
Margin (dB):	-3.1	-4.0
Frequency (MHz):	152.50	147.00



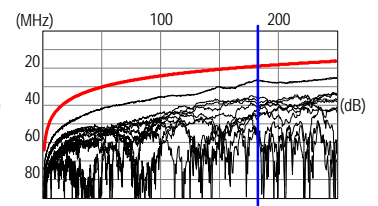
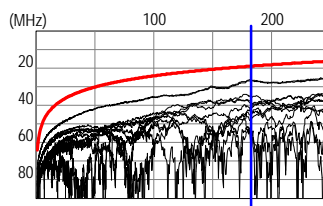
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	22.7	21.9
Limit (dB):	19.0	16.7
Margin (dB):	3.7	5.2
Frequency (MHz):	24.63	53.75



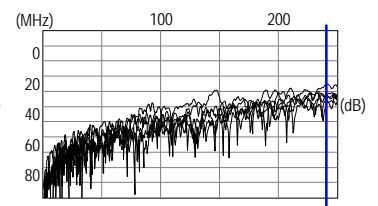
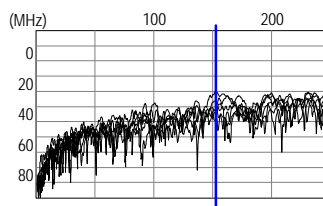
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	26.3	26.3
Limit (dB):	19.0	19.0
Margin (dB):	7.3	7.3
Frequency (MHz):	182.50	182.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	19.4	15.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	152.50	240.50



Networks tested

10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit