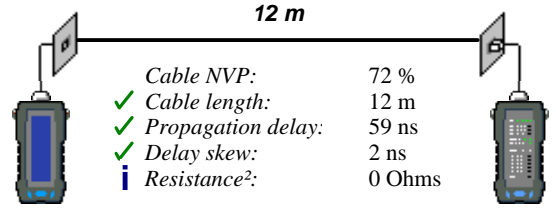




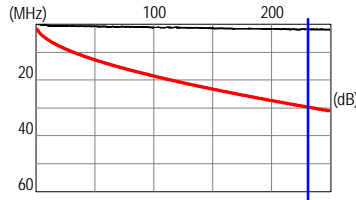
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 1:13 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3081)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3123)
Profile: Default Cat 6
Operator: Dennis

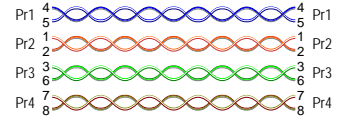


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 2.0
Limit (dB): 29.7
Margin (dB): 27.7
Frequency (MHz): 231.00

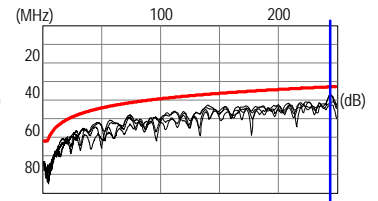
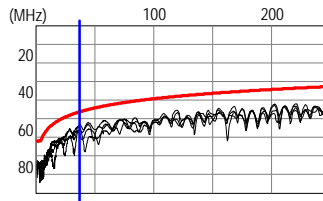


Wiremap (pairing T568B)



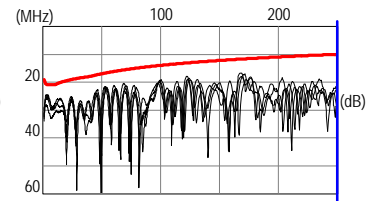
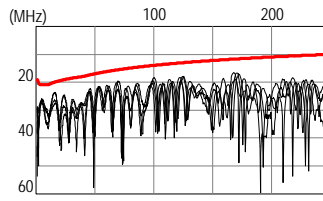
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	53.1	37.2
Limit (dB):	46.4	32.9
Margin (dB):	6.7	4.3
Frequency (MHz):	37.00	244.00



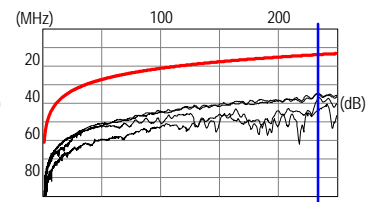
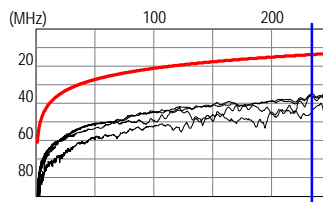
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	23.5	21.4
Limit (dB):	10.0	10.0
Margin (dB):	13.5	11.4
Frequency (MHz):	250.00	250.00



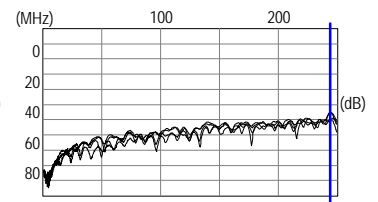
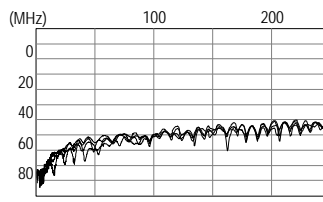
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	34.8	34.5
Limit (dB):	13.8	13.8
Margin (dB):	21.0	20.7
Frequency (MHz):	234.50	233.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	38.9	35.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	244.00



Networks tested

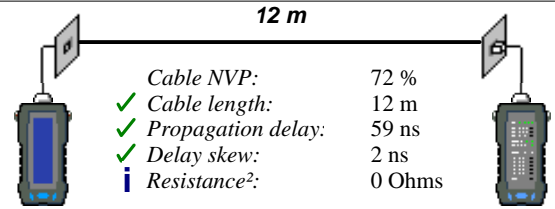
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



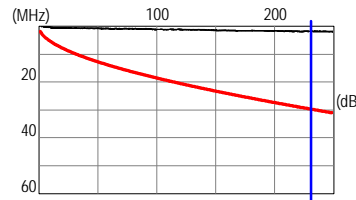
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:13 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3081)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3123)
 Profile: Default Cat 6
 Operator: Dennis

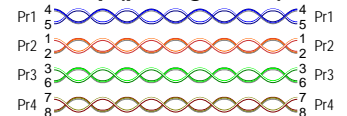


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 2.0
Limit (dB): 29.7
Margin (dB): 27.7
Frequency (MHz): 231.00

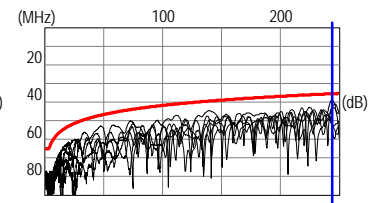
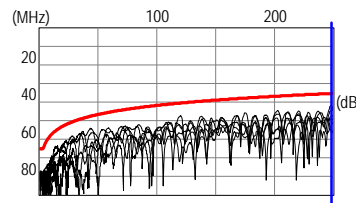


Wiremap (pairing T568B)



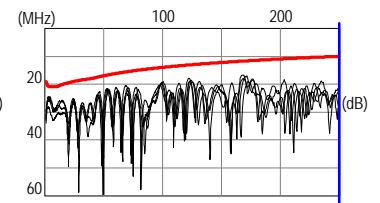
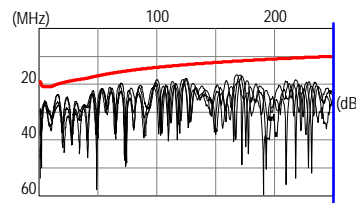
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	41.9	39.0
Limit (dB):	35.4	35.5
Margin (dB):	6.5	3.5
Frequency (MHz):	248.50	244.00



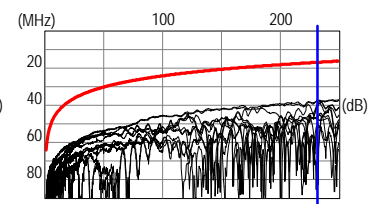
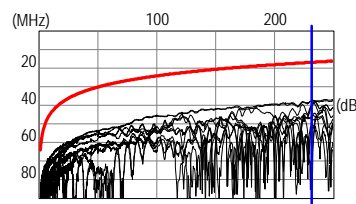
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	23.5	21.4
Limit (dB):	10.0	10.0
Margin (dB):	13.5	11.4
Frequency (MHz):	250.00	250.00



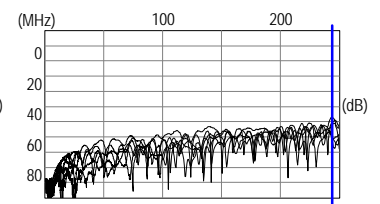
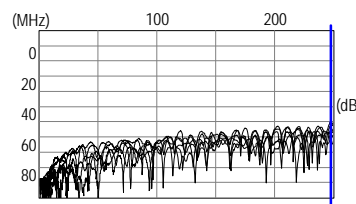
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	2-1	2-1
Value (dB):	37.3	37.2
Limit (dB):	16.9	16.9
Margin (dB):	20.4	20.3
Frequency (MHz):	231.50	231.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	40.0	36.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.00	244.00



Networks tested

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

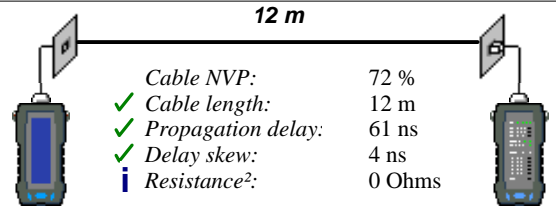
² Not required for selected limit



PASS

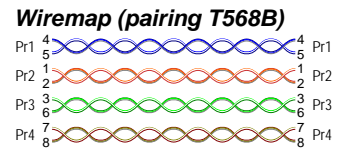
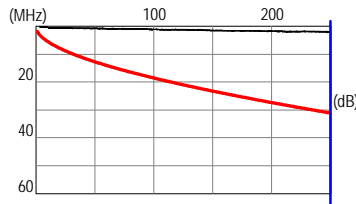
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:14 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3082)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3124)
 Profile: Default Cat 6
 Operator: Dennis



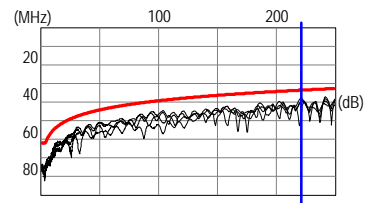
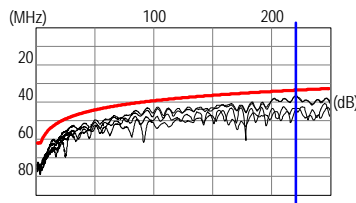
✓ **Attenuation (dB)**

Worst pair: 4 (7,8)
Value (dB): 2.2
Limit (dB): 31.1
Margin (dB): 28.9
Frequency (MHz): 250.00



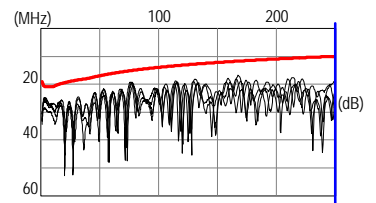
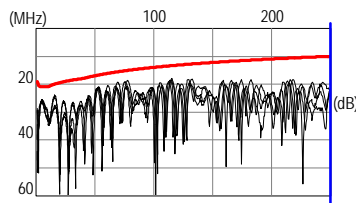
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 2 (1,2) 2 (1,2)
Value (dB): 36.7 37.7
Limit (dB): 33.6 33.6
Margin (dB): 3.1 4.1
Frequency (MHz): 220.50 221.00



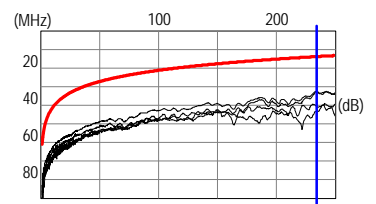
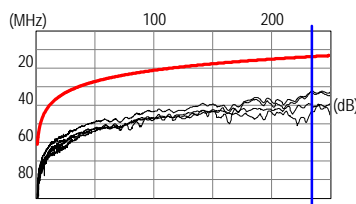
✓ **Return Loss (dB) @WS @DR**

Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 21.3 18.7
Limit (dB): 10.0 10.0
Margin (dB): 11.3 8.7
Frequency (MHz): 250.00 250.00



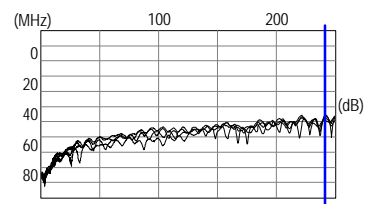
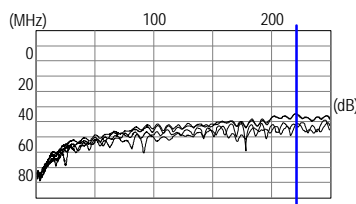
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 1 (4,5) 3 (3,6)
Value (dB): 32.4 32.4
Limit (dB): 13.8 13.8
Margin (dB): 18.6 18.6
Frequency (MHz): 234.50 234.50



i **PowerSum ACR² (dB) @WS @DR**

Worst pair: 1 (4,5) 3 (3,6)
Value (dB): 34.7 35.4
Limit (dB): 34.7 35.4
Margin (dB): 0 0
Frequency (MHz): 221.00 241.50



Networks tested

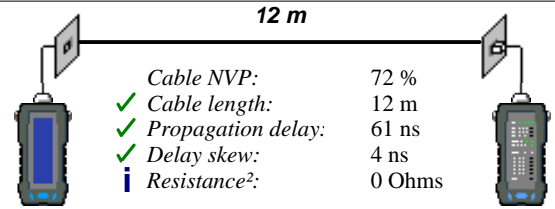
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



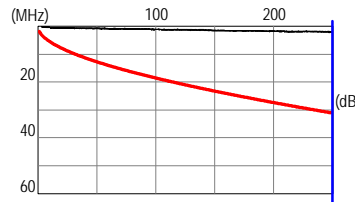
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:14 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3082)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3124)
 Profile: Default Cat 6
 Operator: Dennis

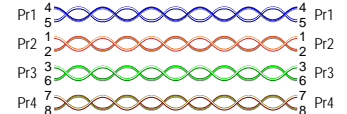


✓ Attenuation (dB)

Worst pair: 4 (7,8)
Value (dB): 2.2
Limit (dB): 31.1
Margin (dB): 28.9
Frequency (MHz): 250.00

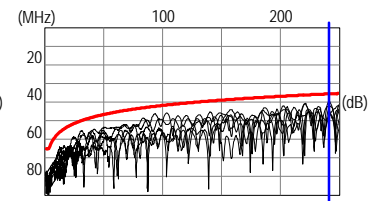
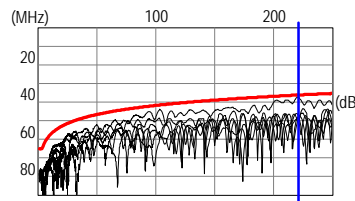


Wiremap (pairing T568B)



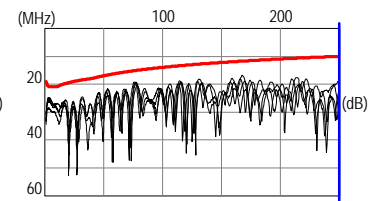
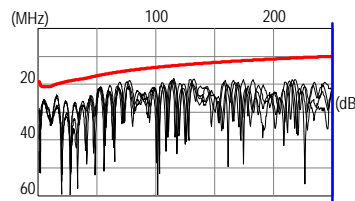
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	37.4	39.5
Limit (dB):	36.2	35.6
Margin (dB):	1.2	3.9
Frequency (MHz):	221.00	241.50



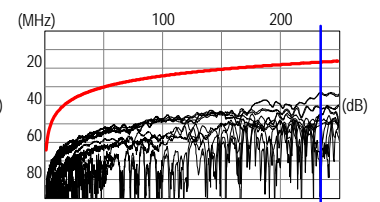
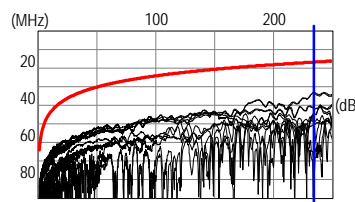
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	21.3	18.7
Limit (dB):	10.0	10.0
Margin (dB):	11.3	8.7
Frequency (MHz):	250.00	250.00



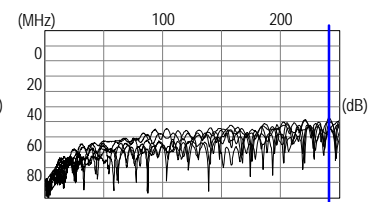
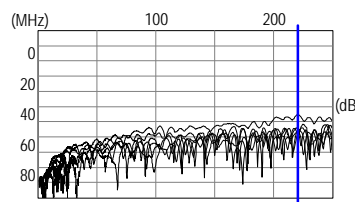
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	32.9	32.8
Limit (dB):	16.8	16.8
Margin (dB):	16.1	16.0
Frequency (MHz):	234.50	234.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	35.3	37.4
Limit (dB):		
Margin (dB):		
Frequency (MHz):	220.50	241.50



Networks tested

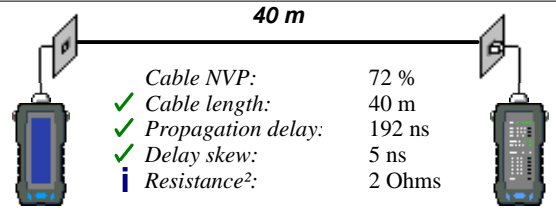
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



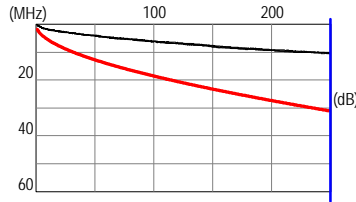
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 12:45 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3065)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3109)
Profile: Default Cat 6
Operator: Dennis

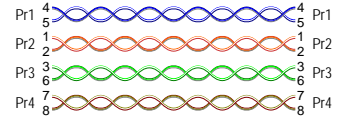


✓ Attenuation (dB)

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

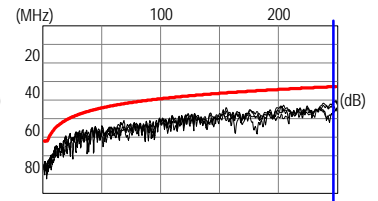
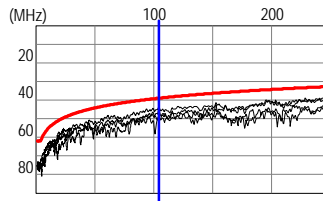


Wiremap (pairing T568B)



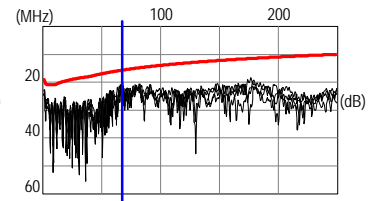
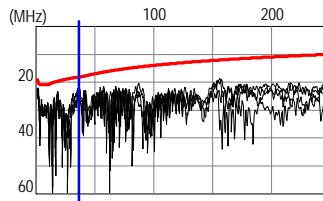
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	43.9	40.5
Limit (dB):	39.0	32.8
Margin (dB):	4.9	7.7
Frequency (MHz):	104.50	247.00



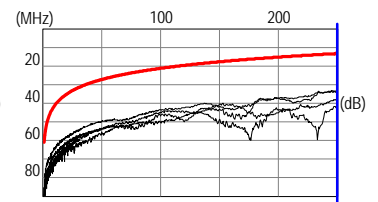
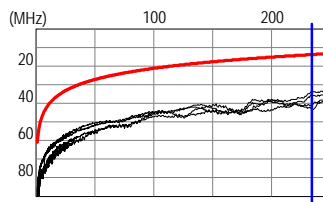
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	22.0	19.9
Limit (dB):	18.2	15.7
Margin (dB):	3.8	4.2
Frequency (MHz):	36.50	67.50



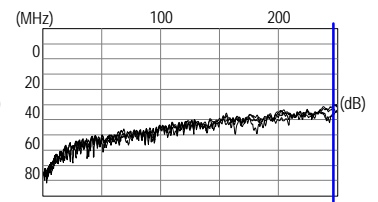
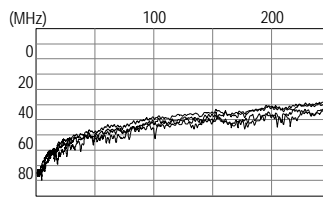
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	33.2	32.9
Limit (dB):	13.8	13.2
Margin (dB):	19.4	19.7
Frequency (MHz):	234.50	250.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	28.0	29.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	247.00



Networks tested

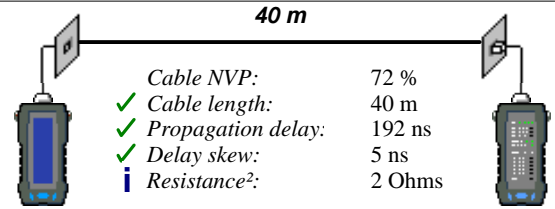
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



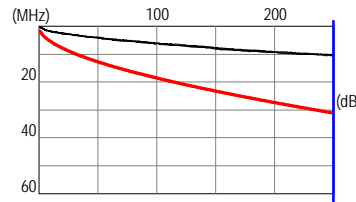
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:45 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3065)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3109)
 Profile: Default Cat 6
 Operator: Dennis

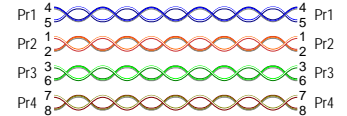


✓ Attenuation (dB)

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

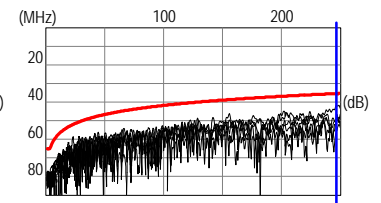
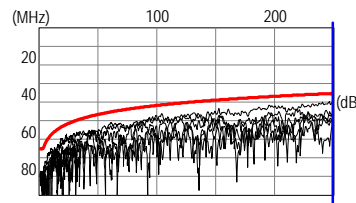


Wiremap (pairing T568B)



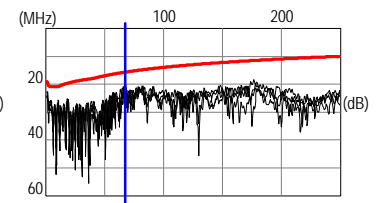
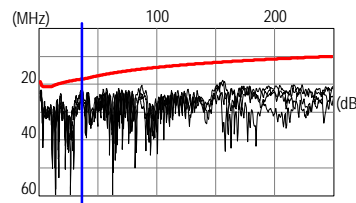
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	39.7	41.6
Limit (dB):	35.4	35.4
Margin (dB):	4.3	6.2
Frequency (MHz):	249.50	246.50



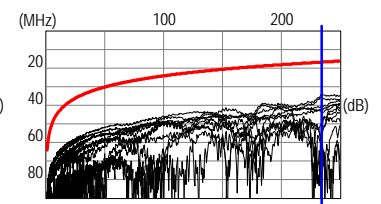
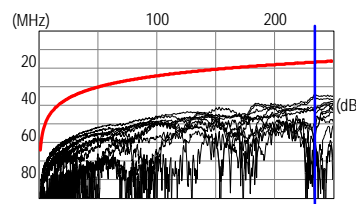
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	22.0	19.9
Limit (dB):	18.2	15.7
Margin (dB):	3.8	4.2
Frequency (MHz):	36.50	67.50



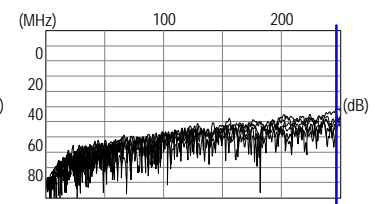
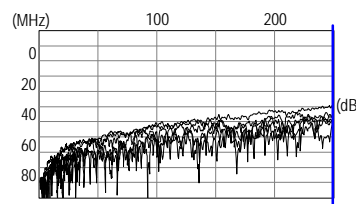
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	33.9	33.7
Limit (dB):	16.8	16.8
Margin (dB):	17.1	16.9
Frequency (MHz):	234.50	234.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	29.1	31.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	246.50



Networks tested

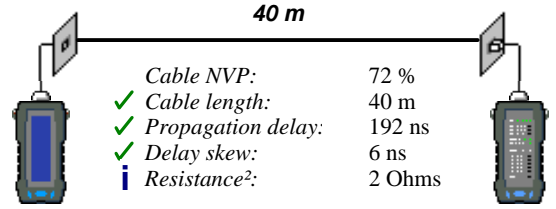
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



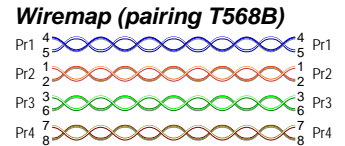
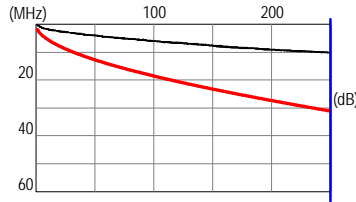
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:46 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3066)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3110)
 Profile: Default Cat 6
 Operator: Dennis



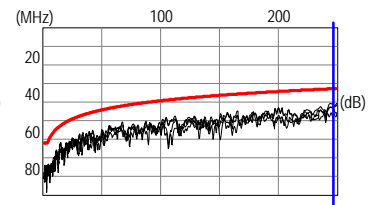
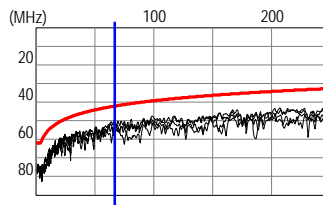
✓ **Attenuation (dB)**

Worst pair: 1 (4,5)
Value (dB): 10.3
Limit (dB): 31.1
Margin (dB): 20.8
Frequency (MHz): 250.00



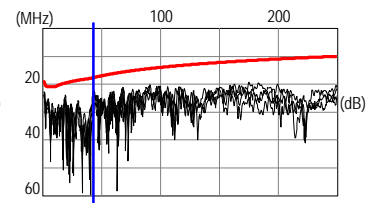
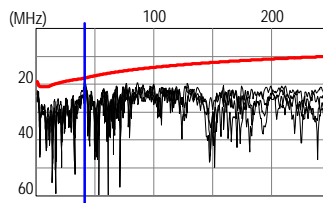
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 49.7 40.6
Limit (dB): 42.2 32.8
Margin (dB): 7.5 7.8
Frequency (MHz): 66.75 246.50



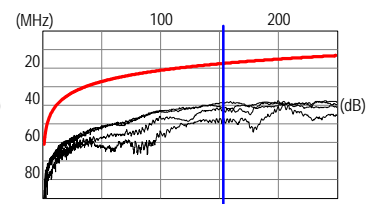
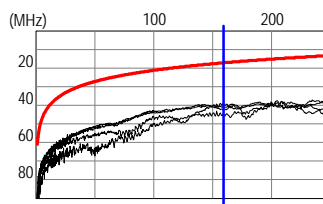
✓ **Return Loss (dB) @WS @DR**

Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 19.6 22.3
Limit (dB): 17.9 17.7
Margin (dB): 1.7 4.6
Frequency (MHz): 41.25 43.00



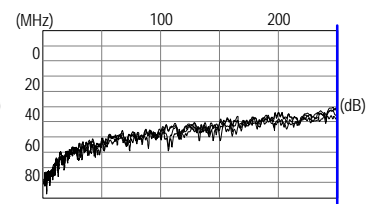
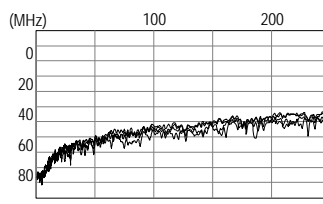
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 3 (3,6) 2 (1,2)
Value (dB): 38.6 38.1
Limit (dB): 17.2 17.5
Margin (dB): 21.4 20.6
Frequency (MHz): 159.00 153.50



ⓘ **PowerSum ACR² (dB) @WS @DR**

Worst pair: 2 (1,2) 3 (3,6)
Value (dB): 32.0 30.4
Limit (dB): 32.0 30.4
Margin (dB): 0.0 0.0
Frequency (MHz): 250.00 250.00



Networks tested

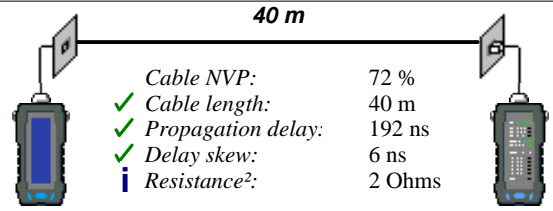
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



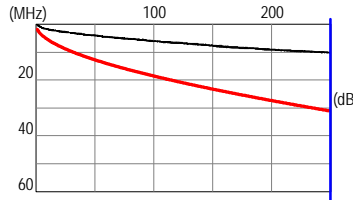
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:46 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3066)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3110)
 Profile: Default Cat 6
 Operator: Dennis

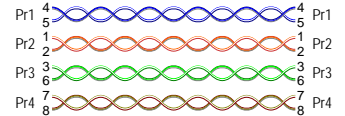


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 10.3
Limit (dB): 31.1
Margin (dB): 20.8
Frequency (MHz): 250.00

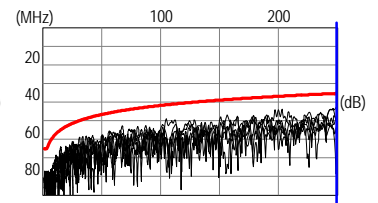
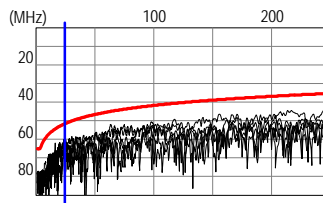


Wiremap (pairing T568B)



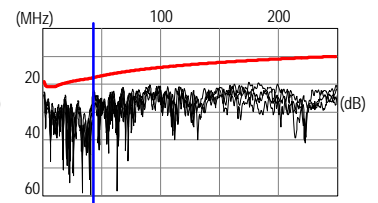
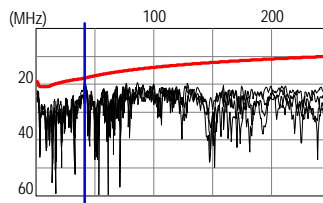
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	58.5	42.4
Limit (dB):	51.7	35.4
Margin (dB):	6.8	7.0
Frequency (MHz):	24.25	249.50



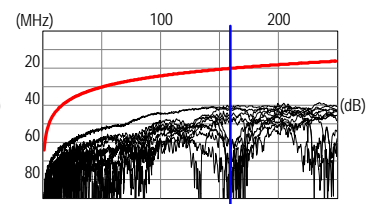
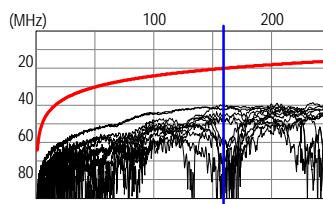
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	19.6	22.3
Limit (dB):	17.9	17.7
Margin (dB):	1.7	4.6
Frequency (MHz):	41.25	43.00



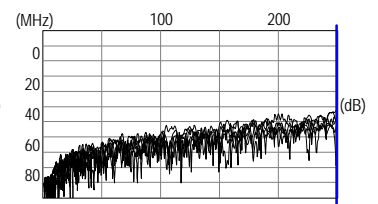
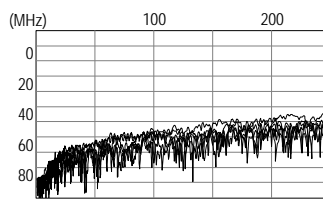
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-2	3-2
Value (dB):	39.3	39.7
Limit (dB):	20.2	20.2
Margin (dB):	19.1	19.5
Frequency (MHz):	159.00	159.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	33.5	32.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	249.50



Networks tested

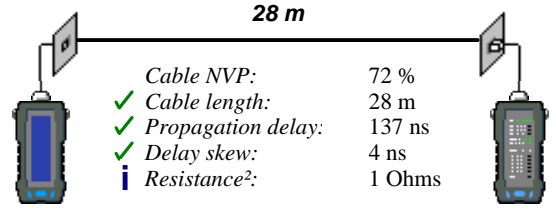
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



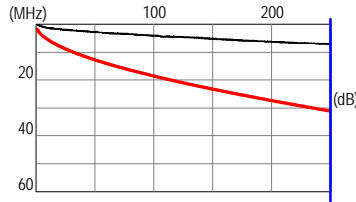
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:42 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3064)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3108)
 Profile: Default Cat 6
 Operator: Dennis

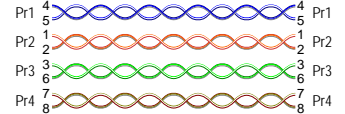


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.2
Limit (dB): 31.1
Margin (dB): 23.9
Frequency (MHz): 250.00

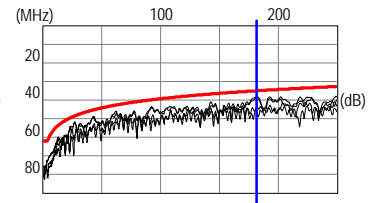
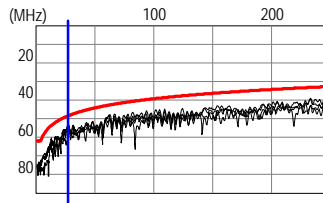


Wiremap (pairing T568B)



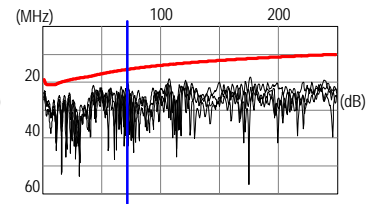
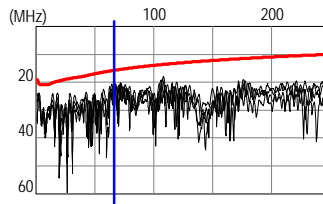
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	1 (4,5)	4 (7,8)
Value (dB):	53.5	38.2
Limit (dB):	48.6	35.0
Margin (dB):	4.9	3.2
Frequency (MHz):	27.00	181.50



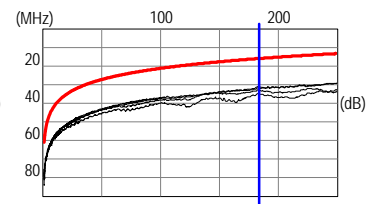
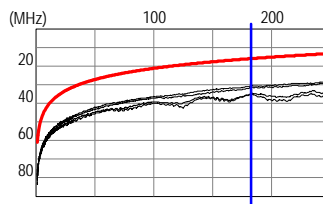
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	19.9	20.2
Limit (dB):	15.8	15.4
Margin (dB):	4.1	4.8
Frequency (MHz):	66.25	72.00



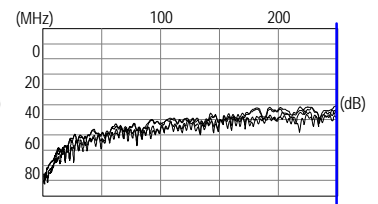
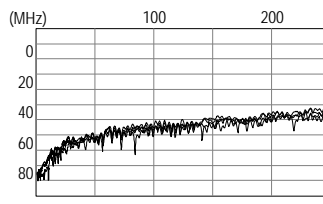
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	30.4	31.0
Limit (dB):	16.0	15.9
Margin (dB):	14.4	15.1
Frequency (MHz):	182.50	183.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	30.9	31.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	249.50



Networks tested

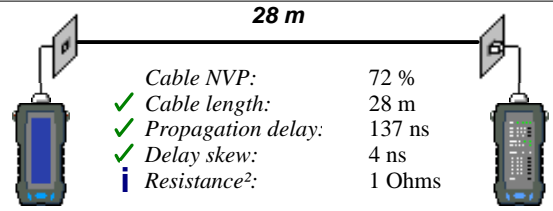
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



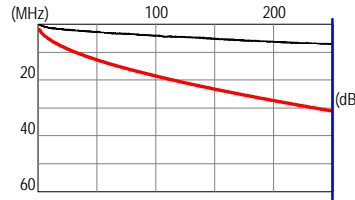
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:42 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3064)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3108)
 Profile: Default Cat 6
 Operator: Dennis

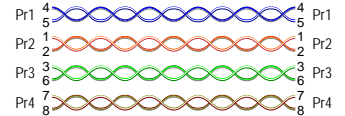


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.2
Limit (dB): 31.1
Margin (dB): 23.9
Frequency (MHz): 250.00

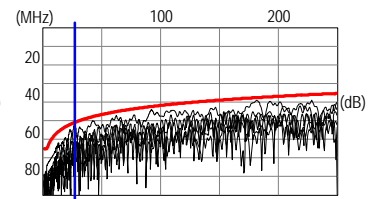
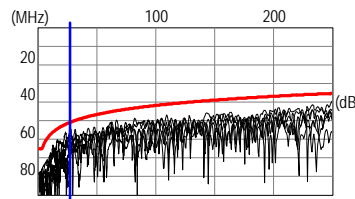


Wiremap (pairing T568B)



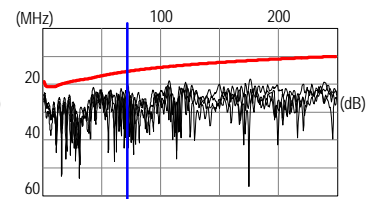
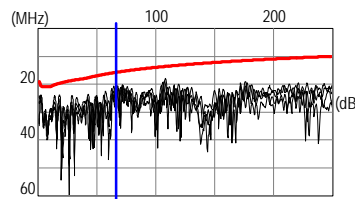
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-4	1-4
Value (dB):	54.5	52.0
Limit (dB):	51.0	51.0
Margin (dB):	3.5	1.0
Frequency (MHz):	27.00	27.13



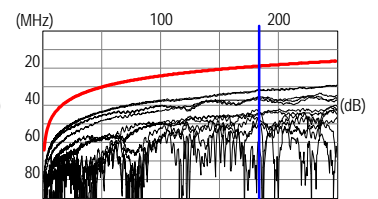
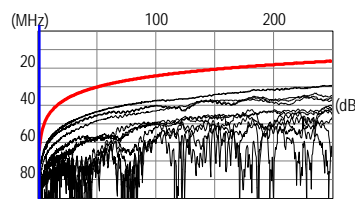
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	19.9	20.2
Limit (dB):	15.8	15.4
Margin (dB):	4.1	4.8
Frequency (MHz):	66.25	72.00



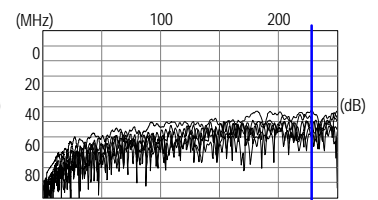
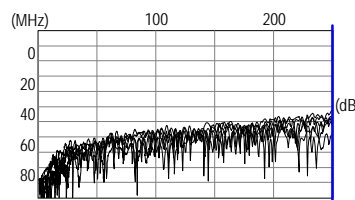
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	2-4	2-4
Value (dB):	75.5	31.3
Limit (dB):	63.2	18.9
Margin (dB):	12.3	12.4
Frequency (MHz):	1.13	183.50



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	1-4
Value (dB):	32.5	32.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	228.00



Networks tested

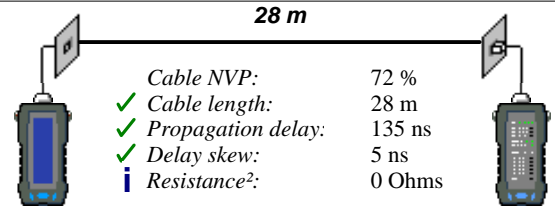
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



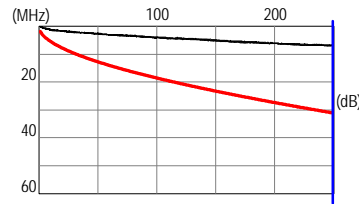
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 12:48 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3067)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3111)
Profile: Default Cat 6
Operator: Dennis

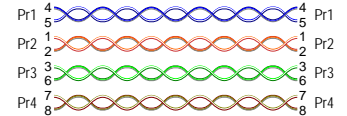


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.2
Limit (dB): 31.1
Margin (dB): 23.9
Frequency (MHz): 249.50

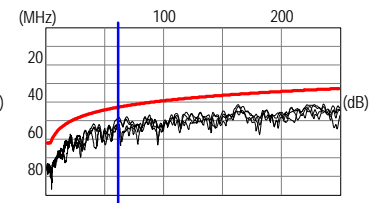
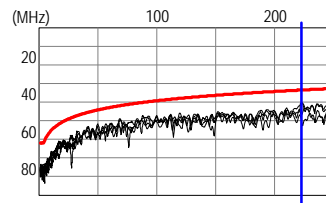


Wiremap (pairing T568B)



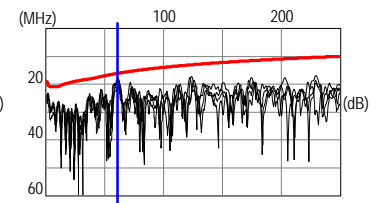
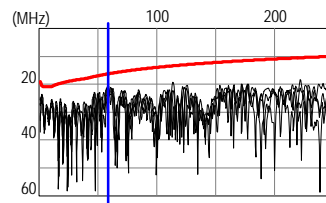
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	1 (4,5)	4 (7,8)
Value (dB):	40.4	48.2
Limit (dB):	33.5	42.8
Margin (dB):	6.9	5.4
Frequency (MHz):	223.00	61.50



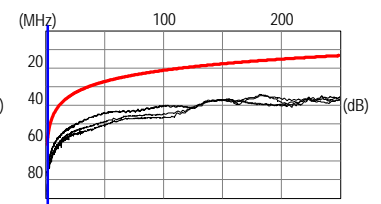
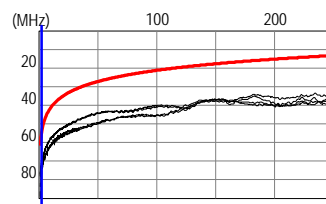
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	20.7	18.0
Limit (dB):	16.3	16.2
Margin (dB):	4.4	1.8
Frequency (MHz):	58.75	60.75



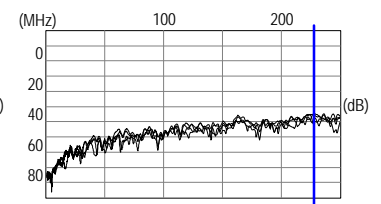
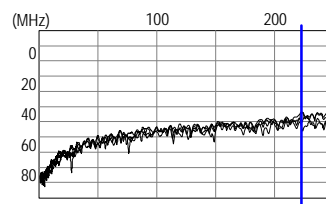
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	70.4	72.9
Limit (dB):	55.2	57.7
Margin (dB):	15.2	15.2
Frequency (MHz):	2.00	1.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	33.5	34.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.00	227.50



Networks tested

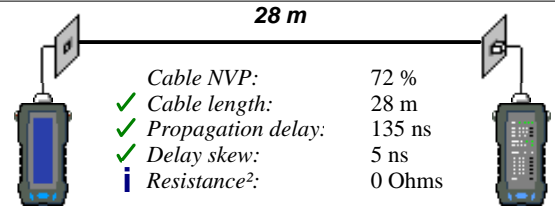
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



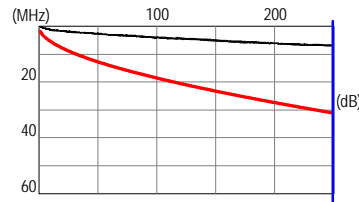
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:48 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3067)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3111)
 Profile: Default Cat 6
 Operator: Dennis

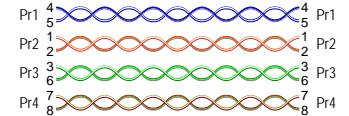


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.2
Limit (dB): 31.1
Margin (dB): 23.9
Frequency (MHz): 249.50

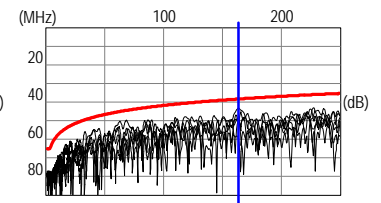
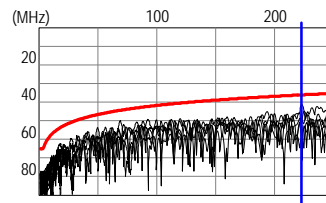


Wiremap (pairing T568B)



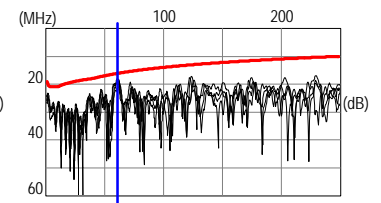
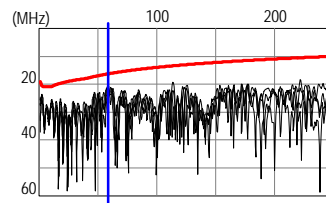
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-4
Value (dB):	41.2	43.2
Limit (dB):	36.2	38.4
Margin (dB):	5.0	4.8
Frequency (MHz):	223.00	163.50



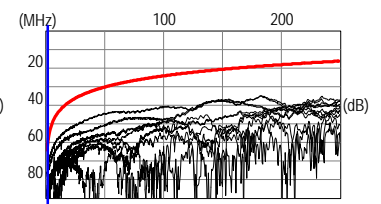
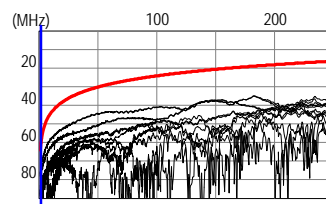
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	20.7	18.0
Limit (dB):	16.3	16.2
Margin (dB):	4.4	1.8
Frequency (MHz):	58.75	60.75



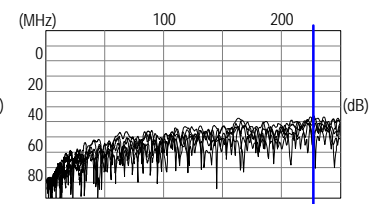
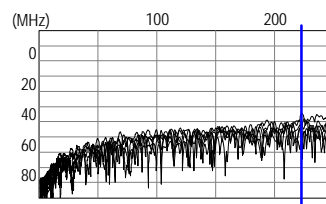
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	72.9	73.0
Limit (dB):	60.7	60.7
Margin (dB):	12.2	12.3
Frequency (MHz):	1.50	1.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	1-2
Value (dB):	34.3	36.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.00	227.00



Networks tested

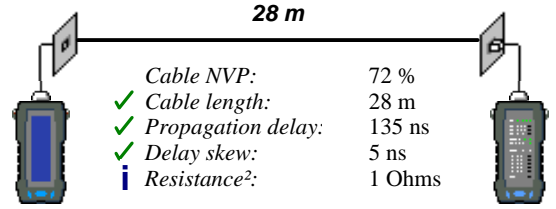
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



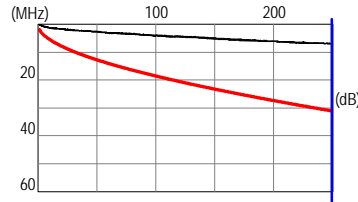
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:49 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3068)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3112)
 Profile: Default Cat 6
 Operator: Dennis

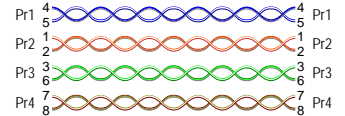


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.2
Limit (dB): 31.1
Margin (dB): 23.9
Frequency (MHz): 249.50

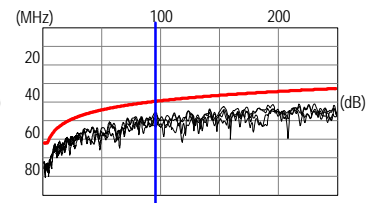
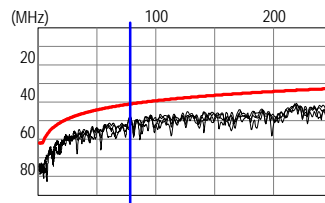


Wiremap (pairing T568B)



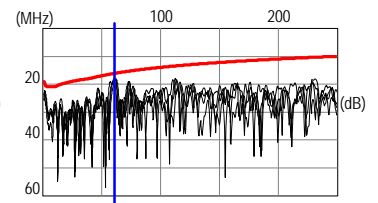
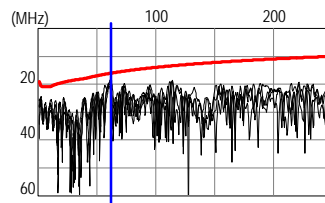
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	47.7	45.6
Limit (dB):	41.1	39.6
Margin (dB):	6.6	6.0
Frequency (MHz):	78.00	95.50



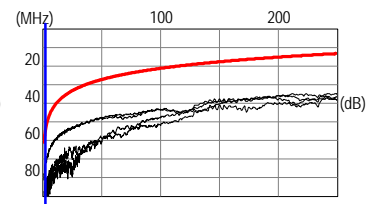
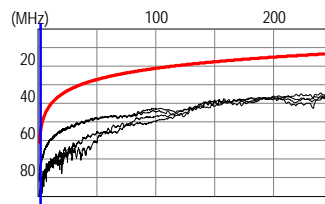
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	18.2	17.9
Limit (dB):	16.1	16.2
Margin (dB):	2.1	1.7
Frequency (MHz):	61.75	61.00



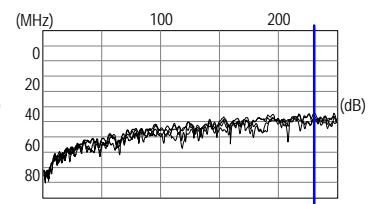
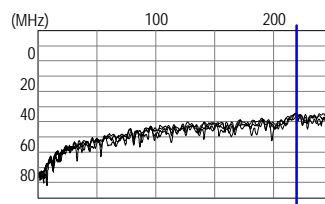
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	3 (3,6)
Value (dB):	72.4	72.5
Limit (dB):	55.2	55.2
Margin (dB):	17.2	17.3
Frequency (MHz):	2.00	2.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	34.2	34.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	219.50	230.50



Networks tested

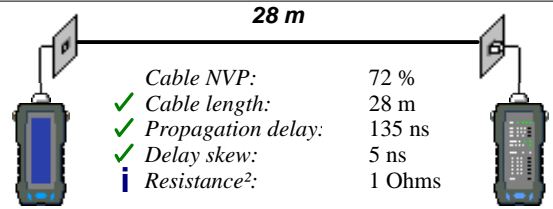
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



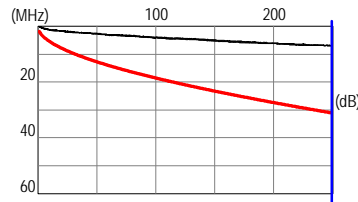
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:49 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3068)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3112)
 Profile: Default Cat 6
 Operator: Dennis

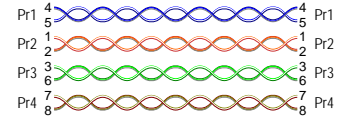


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 7.2
Limit (dB): 31.1
Margin (dB): 23.9
Frequency (MHz): 249.50

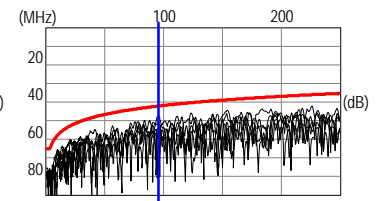
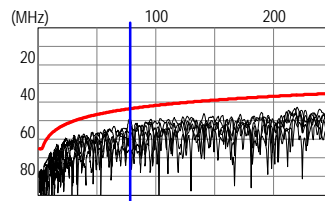


Wiremap (pairing T568B)



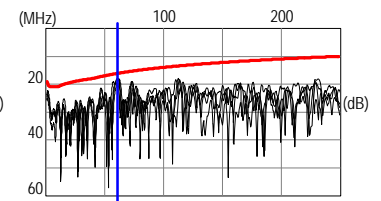
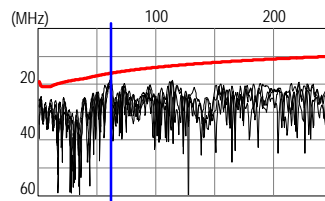
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	1-4
Value (dB):	48.9	47.4
Limit (dB):	43.6	42.2
Margin (dB):	5.3	5.2
Frequency (MHz):	78.00	95.75



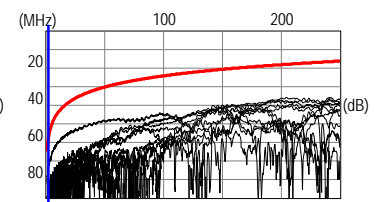
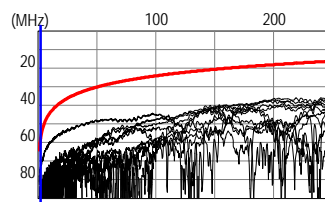
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	18.2	17.9
Limit (dB):	16.1	16.2
Margin (dB):	2.1	1.7
Frequency (MHz):	61.75	61.00



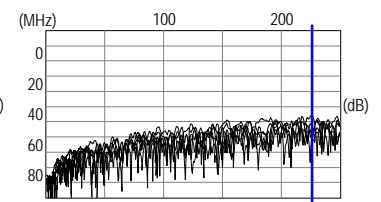
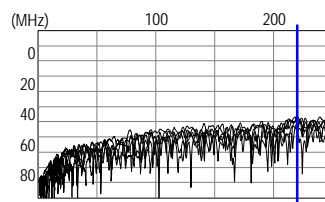
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	1-3
Value (dB):	72.6	72.5
Limit (dB):	58.2	58.2
Margin (dB):	14.4	14.3
Frequency (MHz):	2.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	36.1	35.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	220.00	226.00



Networks tested

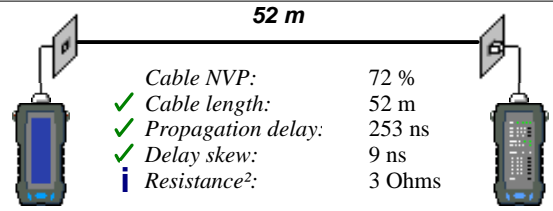
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



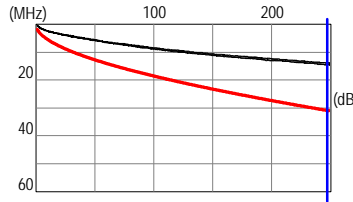
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 12:51 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3069)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3113)
Profile: Default Cat 6
Operator: Dennis

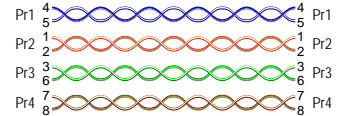


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 14.7
Limit (dB): 30.9
Margin (dB): 16.2
Frequency (MHz): 247.50

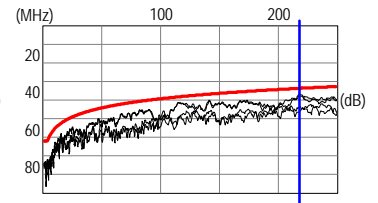
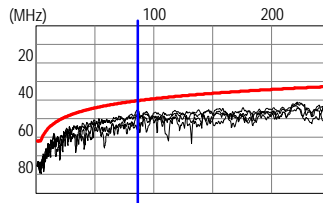


Wiremap (pairing T568B)



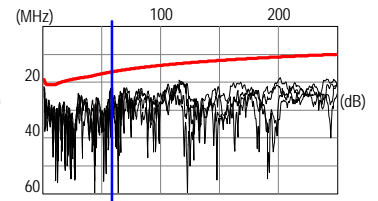
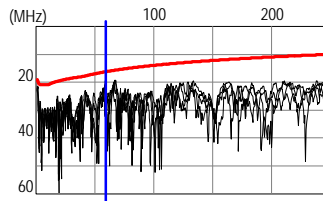
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	45.3	36.6
Limit (dB):	40.4	33.7
Margin (dB):	4.9	2.9
Frequency (MHz):	86.25	218.00



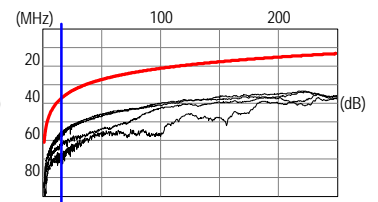
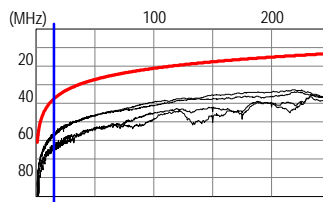
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	19.5	21.4
Limit (dB):	16.3	16.3
Margin (dB):	3.2	5.1
Frequency (MHz):	59.00	58.75



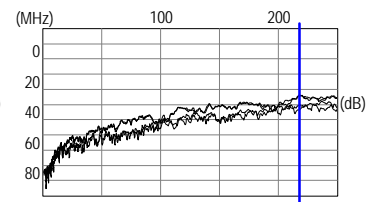
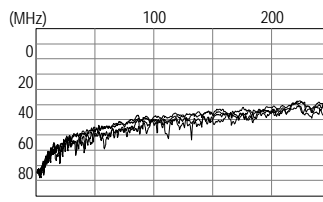
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	55.1	55.1
Limit (dB):	37.5	37.3
Margin (dB):	17.6	17.8
Frequency (MHz):	15.25	15.63



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	26.9	23.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	248.50	218.00



Networks tested

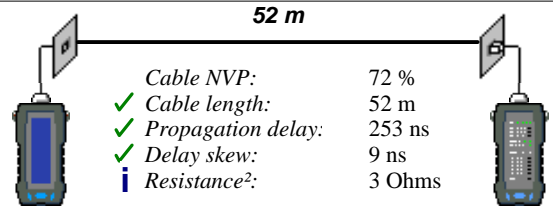
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



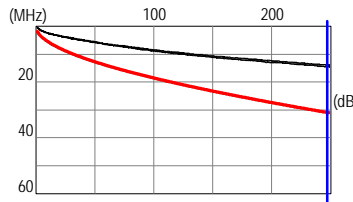
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:51 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3069)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3113)
 Profile: Default Cat 6
 Operator: Dennis

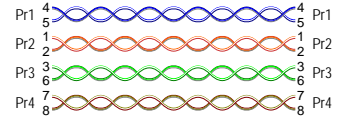


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 14.7
Limit (dB): 30.9
Margin (dB): 16.2
Frequency (MHz): 247.50

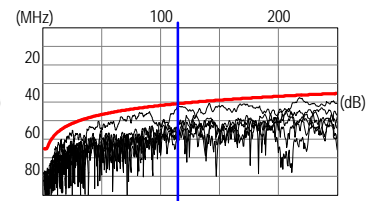
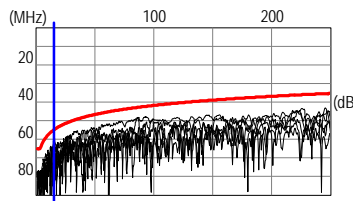


Wiremap (pairing T568B)



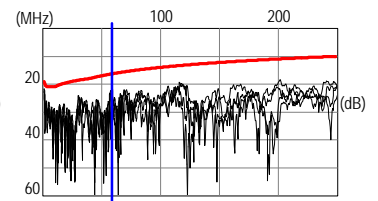
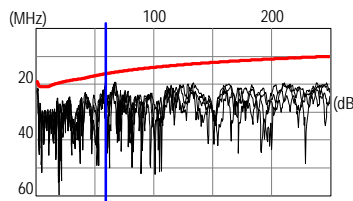
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	59.6	41.8
Limit (dB):	55.1	40.9
Margin (dB):	4.5	0.9
Frequency (MHz):	15.00	114.50



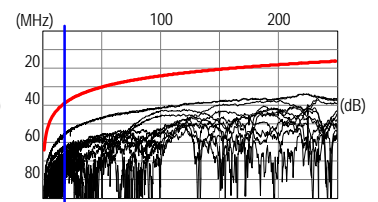
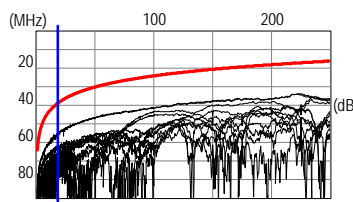
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	19.5	21.4
Limit (dB):	16.3	16.3
Margin (dB):	3.2	5.1
Frequency (MHz):	59.00	58.75



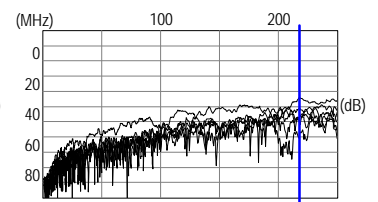
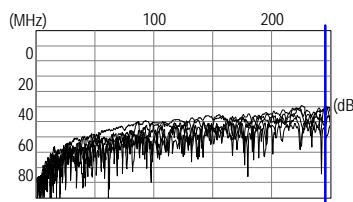
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-2	4-2
Value (dB):	54.2	54.3
Limit (dB):	38.9	38.9
Margin (dB):	15.3	15.4
Frequency (MHz):	18.38	18.38



i ACR² (dB)

	@WS	@DR
Worst combo:	2-4	1-4
Value (dB):	29.2	24.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	245.50	218.00



Networks tested

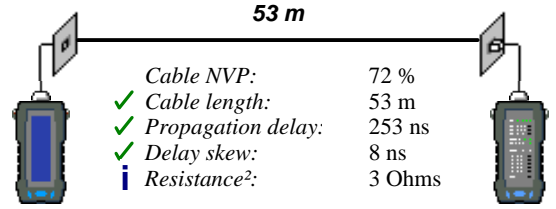
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



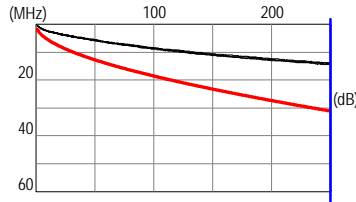
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:52 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3070)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3114)
 Profile: Default Cat 6
 Operator: Dennis

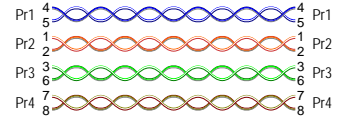


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 14.6
Limit (dB): 31.1
Margin (dB): 16.5
Frequency (MHz): 250.00

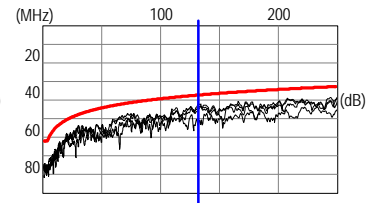
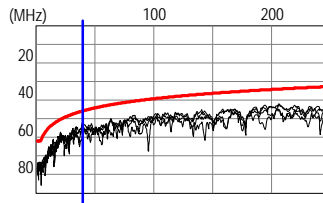


Wiremap (pairing T568B)



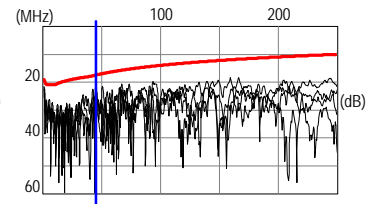
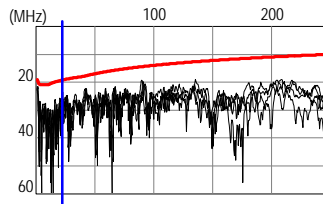
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	52.3	42.0
Limit (dB):	45.9	37.3
Margin (dB):	6.4	4.7
Frequency (MHz):	39.75	132.00



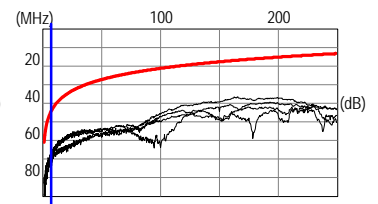
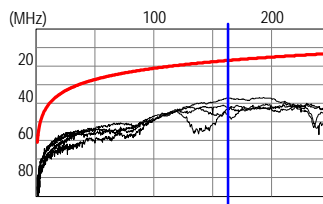
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	23.4	21.3
Limit (dB):	19.2	17.5
Margin (dB):	4.2	3.8
Frequency (MHz):	22.50	45.00



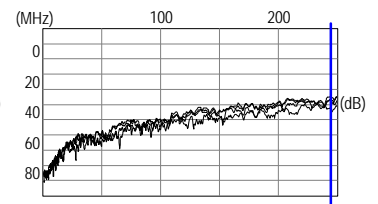
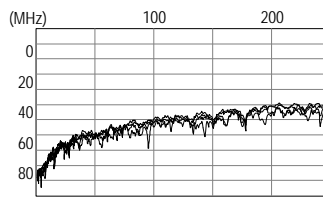
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	37.3	63.0
Limit (dB):	17.0	44.1
Margin (dB):	20.3	18.9
Frequency (MHz):	163.00	7.13



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	27.8	24.4
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	244.50



Networks tested

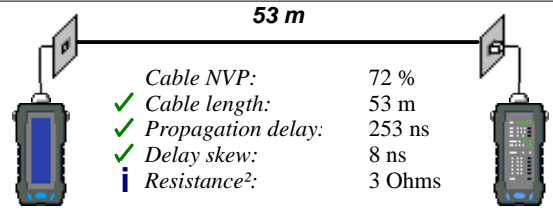
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



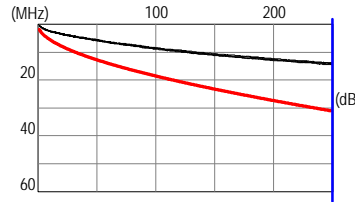
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:52 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3070)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3114)
 Profile: Default Cat 6
 Operator: Dennis

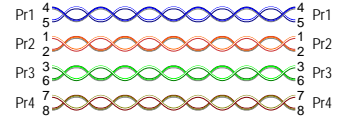


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 14.6
Limit (dB): 31.1
Margin (dB): 16.5
Frequency (MHz): 250.00

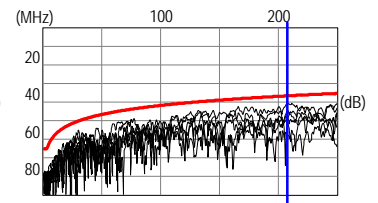
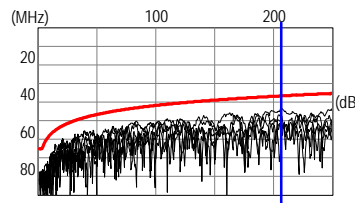


Wiremap (pairing T568B)



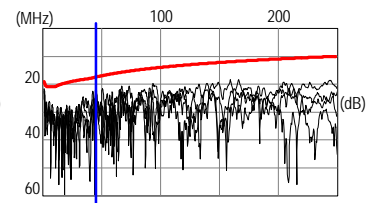
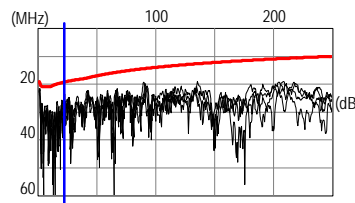
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	43.3	40.6
Limit (dB):	36.7	36.7
Margin (dB):	6.6	3.9
Frequency (MHz):	206.50	207.50



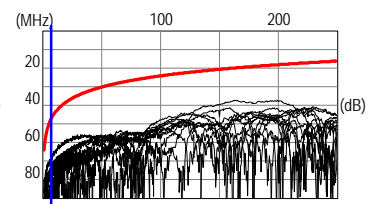
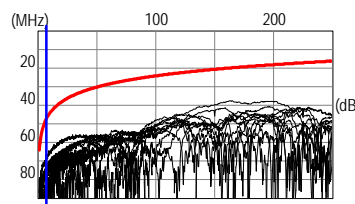
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	23.4	21.3
Limit (dB):	19.2	17.5
Margin (dB):	4.2	3.8
Frequency (MHz):	22.50	45.00



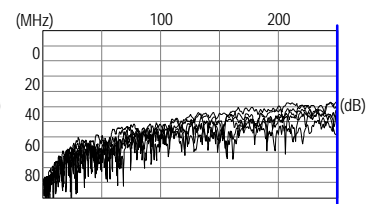
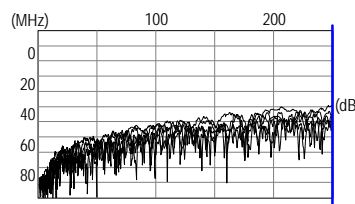
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	2-1	2-1
Value (dB):	64.6	64.3
Limit (dB):	47.1	47.1
Margin (dB):	17.5	17.2
Frequency (MHz):	7.13	7.13



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-4
Value (dB):	29.0	26.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	250.00



Networks tested

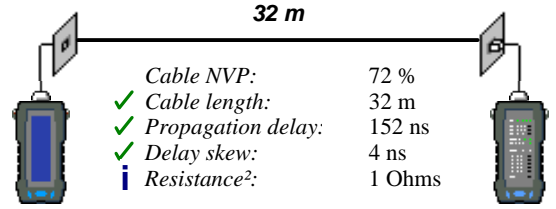
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



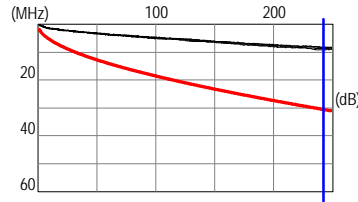
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:54 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3071)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3115)
 Profile: Default Cat 6
 Operator: Dennis

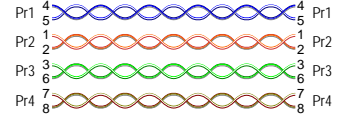


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 9.2
Limit (dB): 30.6
Margin (dB): 21.4
Frequency (MHz): 242.50

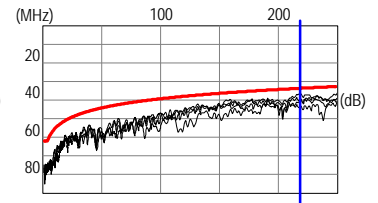
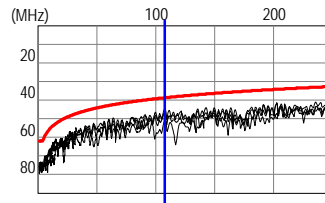


Wiremap (pairing T568B)



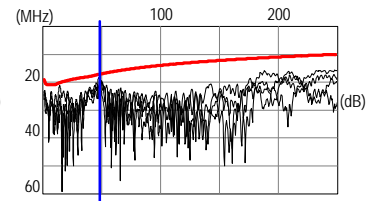
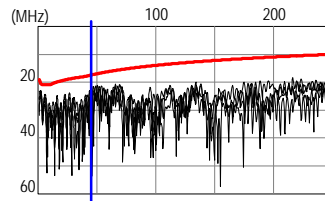
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	44.9	36.4
Limit (dB):	38.8	33.7
Margin (dB):	6.1	2.7
Frequency (MHz):	107.50	218.50



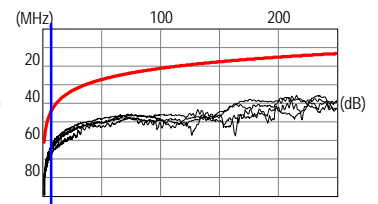
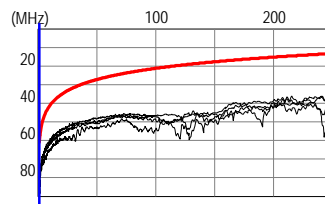
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	21.0	18.3
Limit (dB):	17.4	17.2
Margin (dB):	3.6	1.1
Frequency (MHz):	45.25	48.25



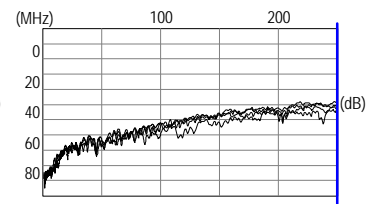
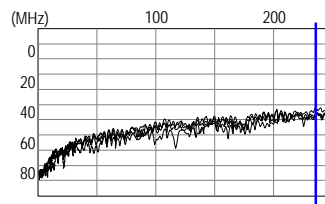
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	75.8	61.0
Limit (dB):	59.3	44.1
Margin (dB):	16.5	16.9
Frequency (MHz):	1.25	7.13



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	31.9	27.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	236.00	250.00



Networks tested

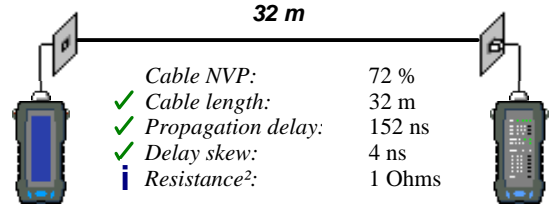
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



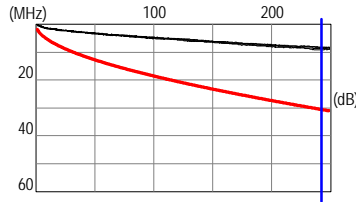
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:54 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3071)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3115)
 Profile: Default Cat 6
 Operator: Dennis

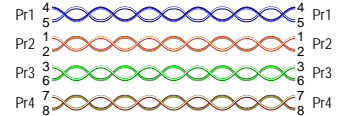


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 9.2
Limit (dB): 30.6
Margin (dB): 21.4
Frequency (MHz): 242.50

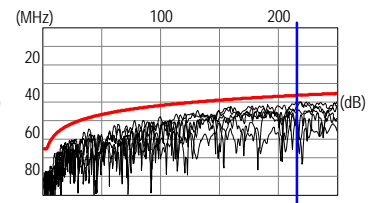
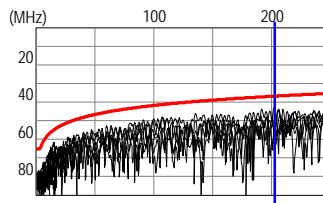


Wiremap (pairing T568B)



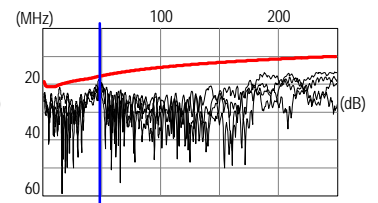
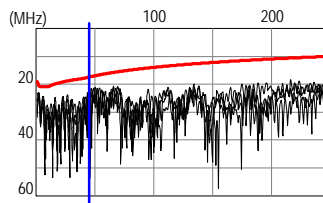
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	1-3
Value (dB):	42.3	39.8
Limit (dB):	36.8	36.4
Margin (dB):	5.5	3.4
Frequency (MHz):	202.50	216.00



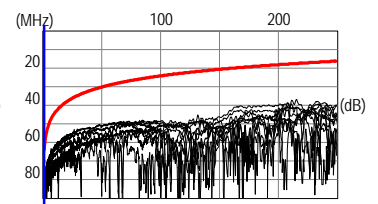
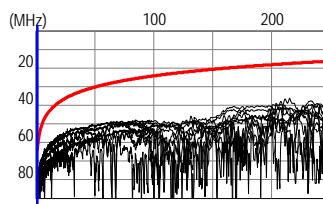
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	21.0	18.3
Limit (dB):	17.4	17.2
Margin (dB):	3.6	1.1
Frequency (MHz):	45.25	48.25



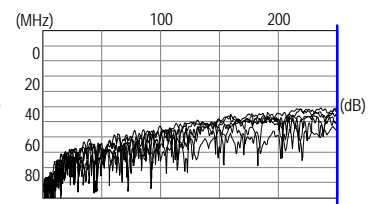
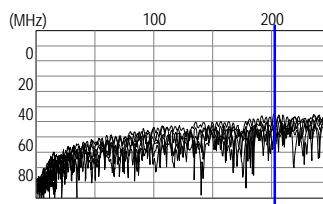
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-2	1-2
Value (dB):	78.1	78.1
Limit (dB):	62.3	62.3
Margin (dB):	15.8	15.8
Frequency (MHz):	1.25	1.25



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	1-3
Value (dB):	34.1	30.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	202.50	250.00



Networks tested

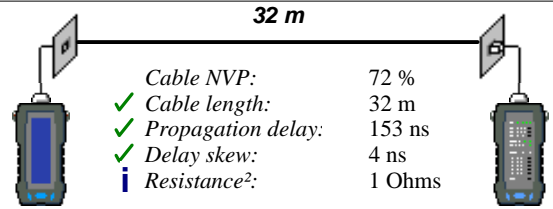
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



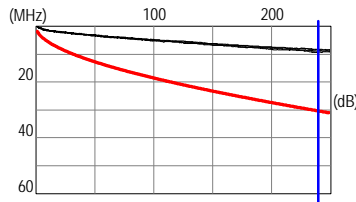
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 12:56 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3072)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3116)
Profile: Default Cat 6
Operator: Dennis

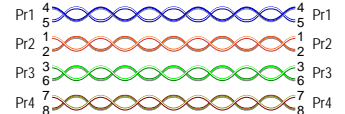


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 9.5
Limit (dB): 30.3
Margin (dB): 20.8
Frequency (MHz): 239.50

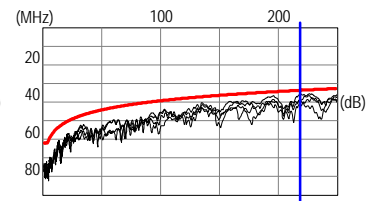
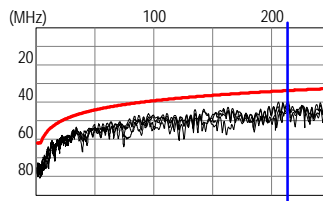


Wiremap (pairing T568B)



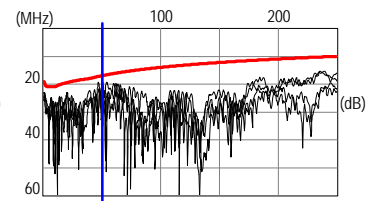
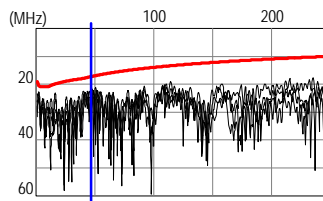
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	39.8	35.5
Limit (dB):	33.9	33.7
Margin (dB):	5.9	1.8
Frequency (MHz):	213.50	218.50



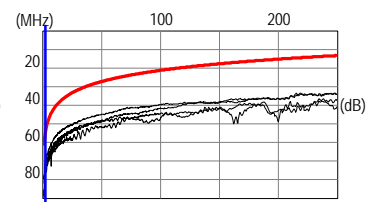
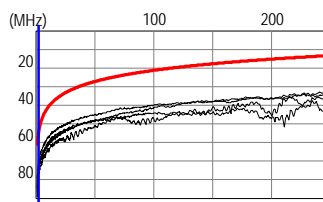
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	21.2	19.0
Limit (dB):	17.3	17.0
Margin (dB):	3.9	2.0
Frequency (MHz):	47.00	50.50



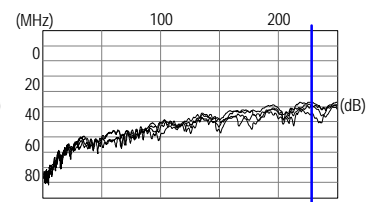
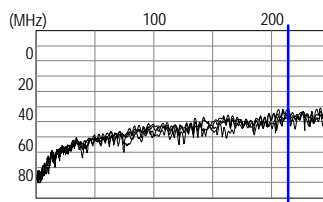
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	69.8	70.7
Limit (dB):	55.2	55.2
Margin (dB):	14.6	15.5
Frequency (MHz):	2.00	2.00



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	31.2	26.9
Limit (dB):		
Margin (dB):		
Frequency (MHz):	214.00	228.50



Networks tested

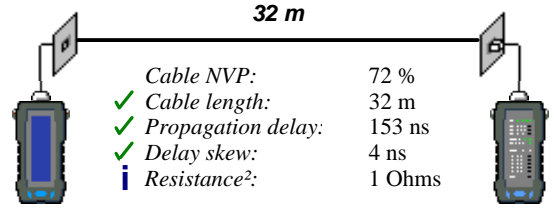
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



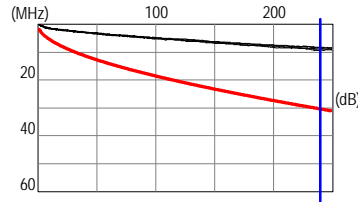
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:56 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3072)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3116)
 Profile: Default Cat 6
 Operator: Dennis

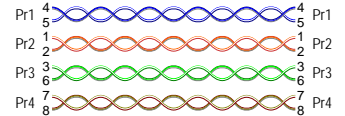


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 9.5
Limit (dB): 30.3
Margin (dB): 20.8
Frequency (MHz): 239.50

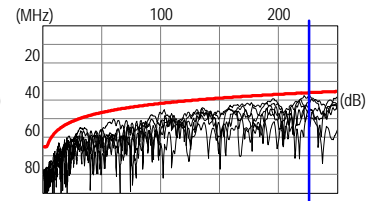
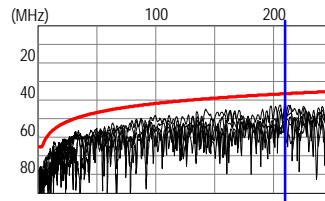


Wiremap (pairing T568B)



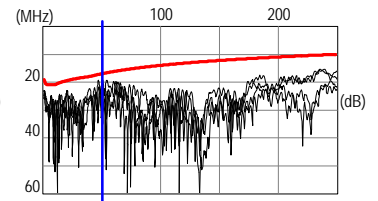
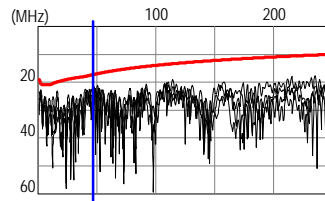
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	1-4
Value (dB):	41.7	37.6
Limit (dB):	36.6	36.1
Margin (dB):	5.1	1.5
Frequency (MHz):	210.00	226.00



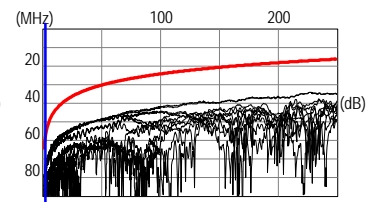
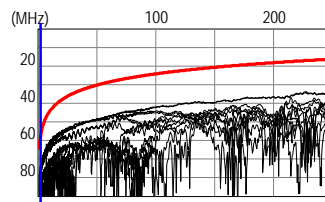
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	21.2	19.0
Limit (dB):	17.3	17.0
Margin (dB):	3.9	2.0
Frequency (MHz):	47.00	50.50



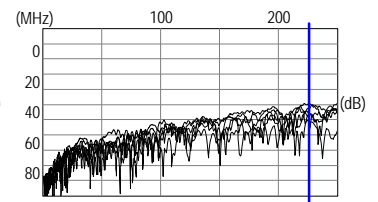
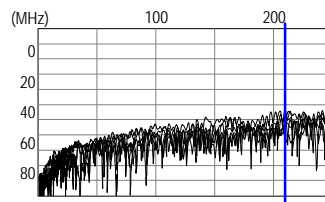
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	72.3	72.2
Limit (dB):	58.2	58.2
Margin (dB):	14.1	14.0
Frequency (MHz):	2.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	1-4
Value (dB):	33.2	29.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	210.00	226.00



Networks tested

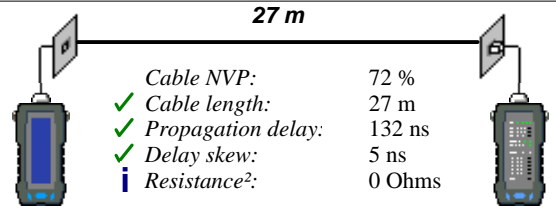
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



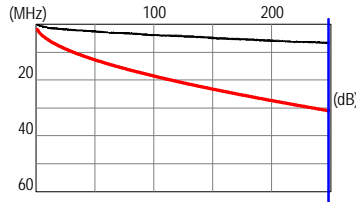
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:59 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3074)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3117)
 Profile: Default Cat 6
 Operator: Dennis

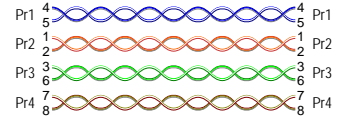


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 6.9
Limit (dB): 31.0
Margin (dB): 24.1
Frequency (MHz): 248.50

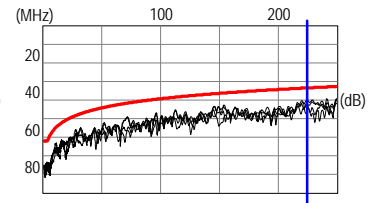
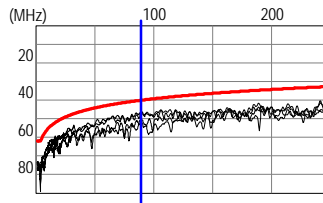


Wiremap (pairing T568B)



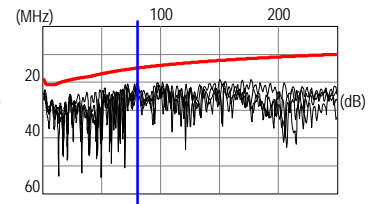
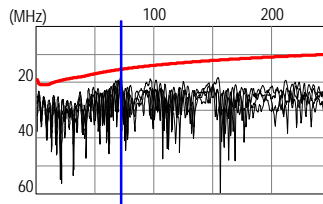
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	2 (1,2)
Value (dB):	46.2	39.8
Limit (dB):	40.1	33.5
Margin (dB):	6.1	6.3
Frequency (MHz):	89.25	224.50



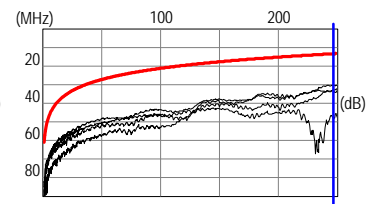
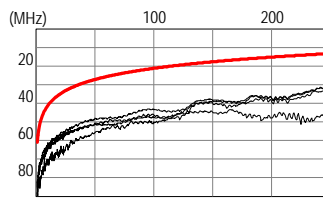
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	18.0	20.3
Limit (dB):	15.4	15.0
Margin (dB):	2.6	5.3
Frequency (MHz):	72.25	80.25



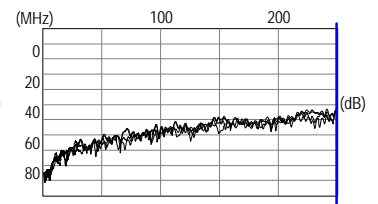
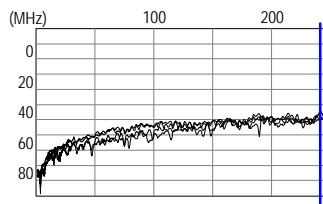
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	30.8	30.1
Limit (dB):	13.4	13.4
Margin (dB):	17.4	16.7
Frequency (MHz):	246.00	246.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	33.9	32.8
Limit (dB):		
Margin (dB):		
Frequency (MHz):	241.50	249.50



Networks tested

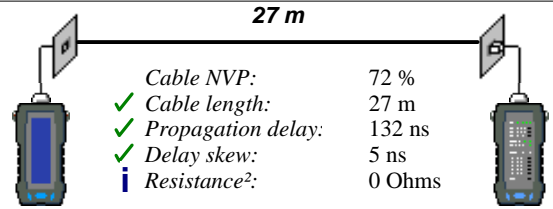
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



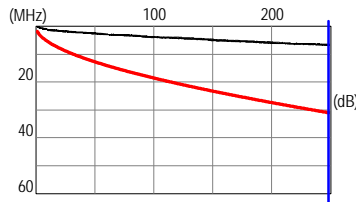
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 12:59 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3074)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3117)
 Profile: Default Cat 6
 Operator: Dennis

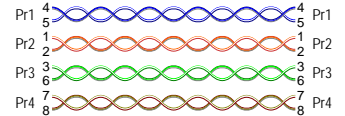


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 6.9
Limit (dB): 31.0
Margin (dB): 24.1
Frequency (MHz): 248.50

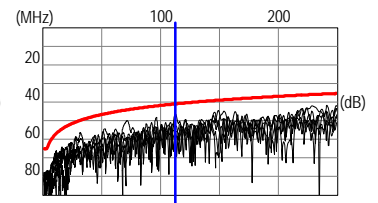
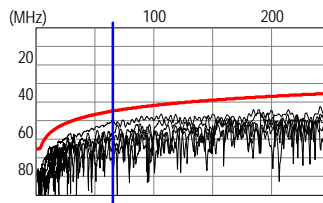


Wiremap (pairing T568B)



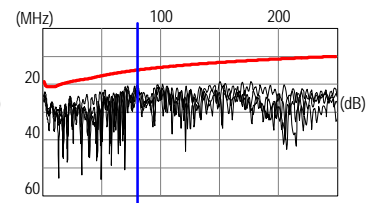
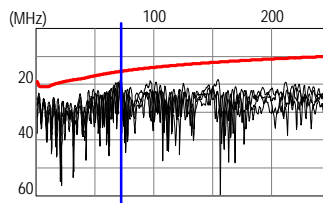
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	3-4
Value (dB):	49.8	46.4
Limit (dB):	44.9	41.0
Margin (dB):	4.9	5.4
Frequency (MHz):	65.00	112.50



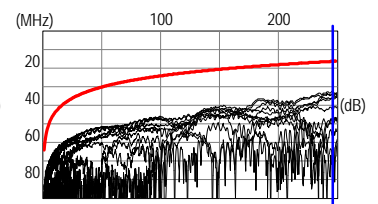
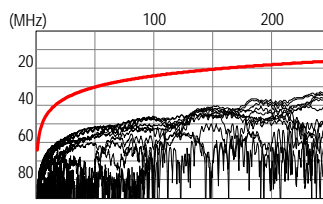
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	2 (1,2)
Value (dB):	18.0	20.3
Limit (dB):	15.4	15.0
Margin (dB):	2.6	5.3
Frequency (MHz):	72.25	80.25



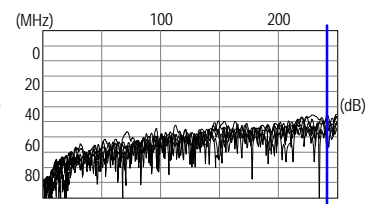
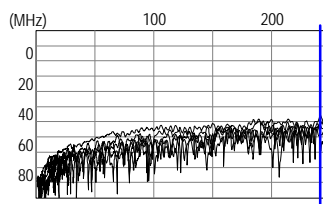
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-3	4-3
Value (dB):	32.4	32.4
Limit (dB):	16.4	16.4
Margin (dB):	16.0	16.0
Frequency (MHz):	246.00	246.00



i ACR² (dB)

	@WS	@DR
Worst combo:	2-4	2-4
Value (dB):	35.7	35.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	241.50	241.50



Networks tested

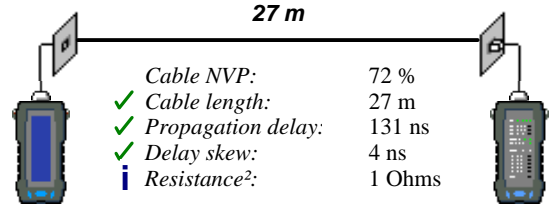
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

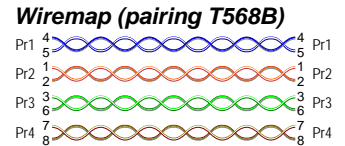
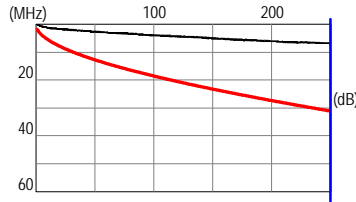


Cable Certification Report (PowerSum data)

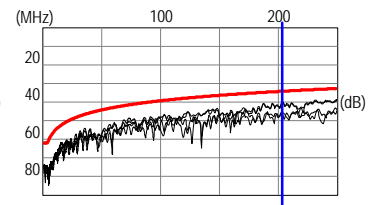
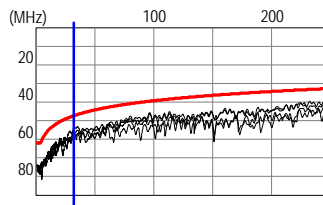
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 1:00 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3075)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3118)
Profile: Default Cat 6
Operator: Dennis



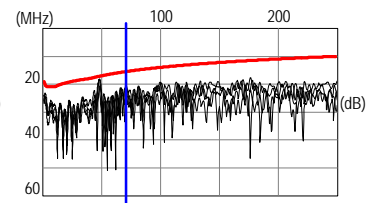
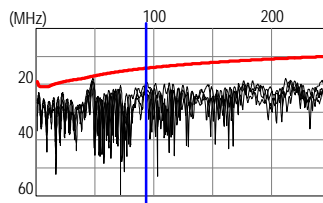
Attenuation (dB)
Worst pair: 1 (4,5)
Value (dB): 7.1
Limit (dB): 31.1
Margin (dB): 24.0
Frequency (MHz): 250.00



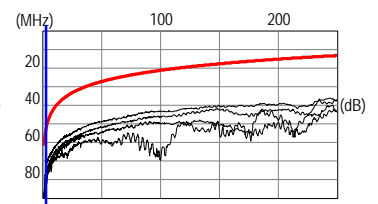
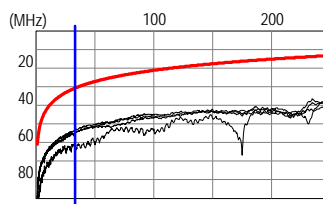
PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 52.9 39.6
Limit (dB): 47.3 34.2
Margin (dB): 5.6 5.4
Frequency (MHz): 32.25 203.00



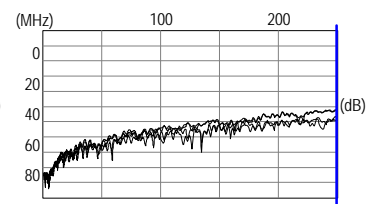
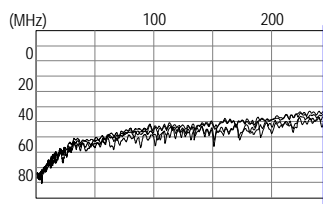
Return Loss (dB) @WS @DR
Worst pair: 2 (1,2) 1 (4,5)
Value (dB): 19.2 20.3
Limit (dB): 14.3 15.5
Margin (dB): 4.9 4.8
Frequency (MHz): 93.50 70.75



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 1 (4,5) 1 (4,5)
Value (dB): 52.8 72.1
Limit (dB): 30.8 52.0
Margin (dB): 22.0 20.1
Frequency (MHz): 33.00 2.88



PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 32.7 31.5
Limit (dB): 32.7 31.5
Margin (dB): 0 0
Frequency (MHz): 244.50 249.50



Networks tested

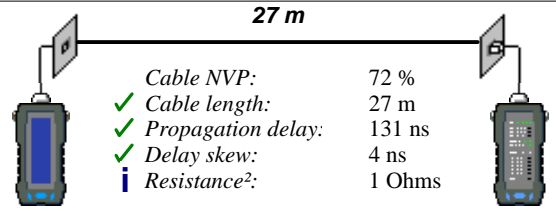
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



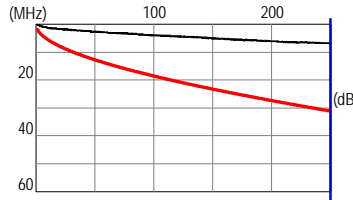
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:00 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3075)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3118)
 Profile: Default Cat 6
 Operator: Dennis

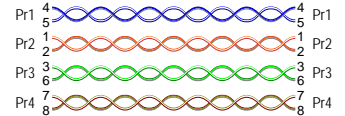


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 7.1
Limit (dB): 31.1
Margin (dB): 24.0
Frequency (MHz): 250.00

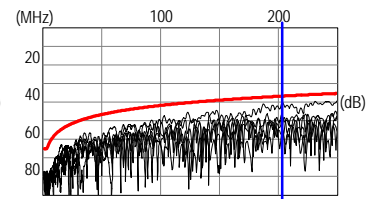
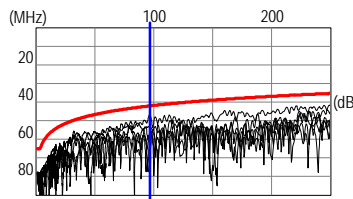


Wiremap (pairing T568B)



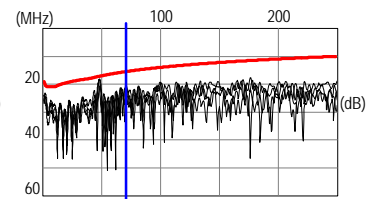
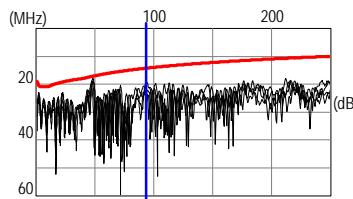
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	46.6	40.0
Limit (dB):	42.1	36.8
Margin (dB):	4.5	3.2
Frequency (MHz):	96.75	203.00



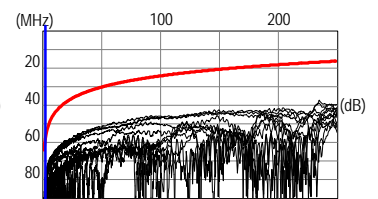
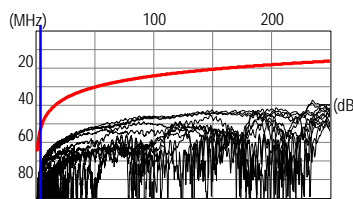
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	19.2	20.3
Limit (dB):	14.3	15.5
Margin (dB):	4.9	4.8
Frequency (MHz):	93.50	70.75



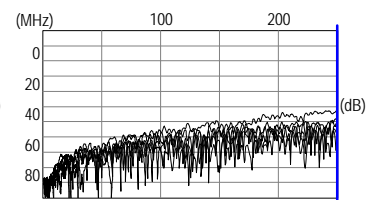
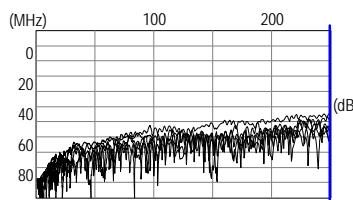
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	2-1
Value (dB):	72.5	75.9
Limit (dB):	53.0	56.7
Margin (dB):	19.5	19.2
Frequency (MHz):	3.63	2.38



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	34.6	32.3
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	250.00



Networks tested

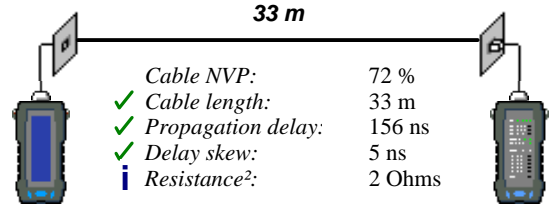
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



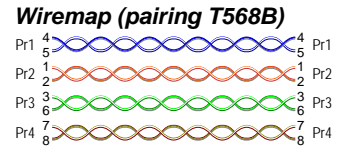
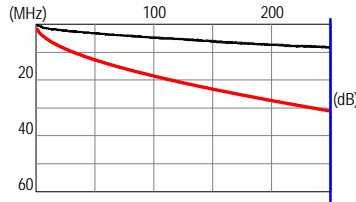
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:01 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3076)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3119)
 Profile: Default Cat 6
 Operator: Dennis



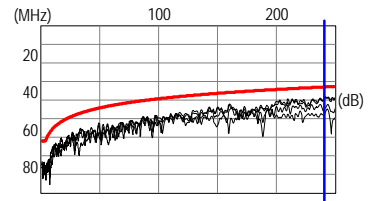
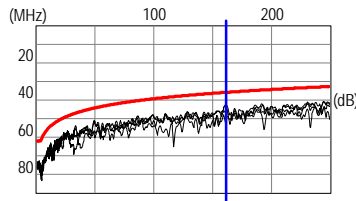
✓ **Attenuation (dB)**

Worst pair: 3 (3,6)
Value (dB): 8.5
Limit (dB): 31.1
Margin (dB): 22.6
Frequency (MHz): 250.00



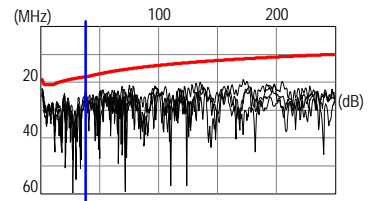
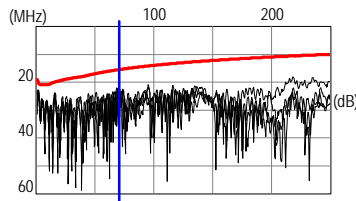
✓ **PowerSum NEXT (dB) @WS @DR**

Worst pair: 2 (1,2) 3 (3,6)
Value (dB): 42.5 37.9
Limit (dB): 35.9 33.0
Margin (dB): 6.6 4.9
Frequency (MHz): 161.50 241.00



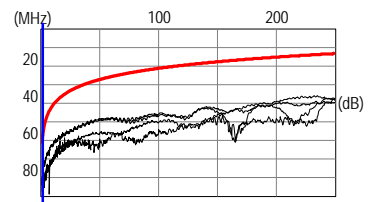
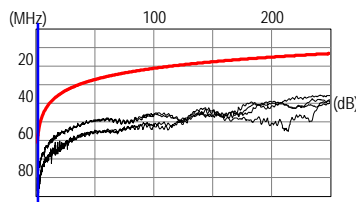
✓ **Return Loss (dB) @WS @DR**

Worst pair: 4 (7,8) 1 (4,5)
Value (dB): 21.9 23.9
Limit (dB): 15.5 18.1
Margin (dB): 6.4 5.8
Frequency (MHz): 70.50 38.25



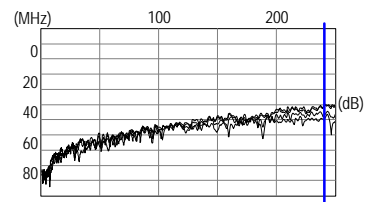
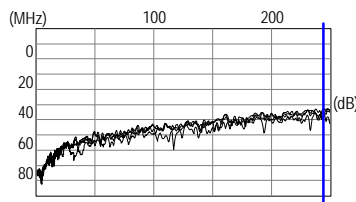
✓ **PowerSum ELFEXT (dB) Atten(TX) Atten(RX)**

Worst pair: 3 (3,6) 1 (4,5)
Value (dB): 77.3 77.0
Limit (dB): 57.7 57.7
Margin (dB): 19.6 19.3
Frequency (MHz): 1.50 1.50



ⓘ **PowerSum ACR² (dB) @WS @DR**

Worst pair: 1 (4,5) 3 (3,6)
Value (dB): 32.5 29.6
Limit (dB): 40
Margin (dB): 19.6 19.3
Frequency (MHz): 244.00 241.00



Networks tested

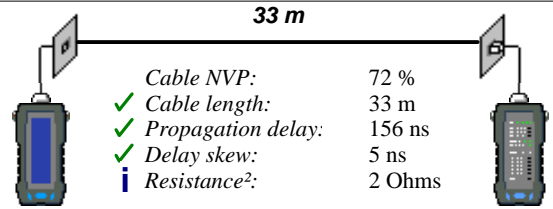
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



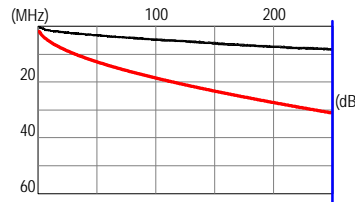
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:01 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3076)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3119)
 Profile: Default Cat 6
 Operator: Dennis

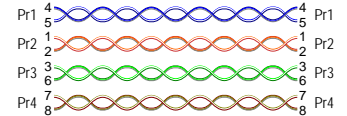


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 8.5
Limit (dB): 31.1
Margin (dB): 22.6
Frequency (MHz): 250.00

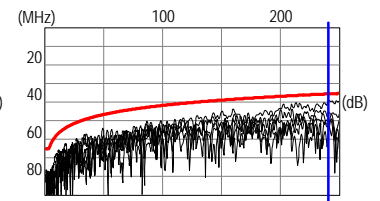
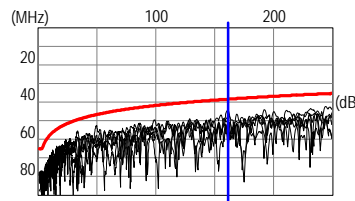


Wiremap (pairing T568B)



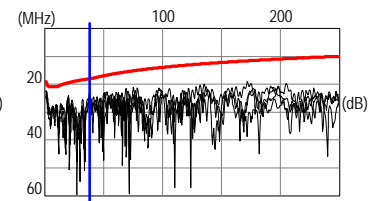
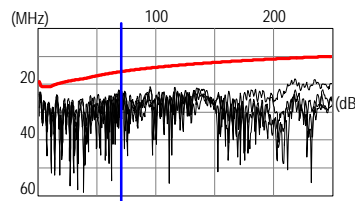
✓ NEXT (dB)

	@WS	@DR
Worst combo:	2-4	3-4
Value (dB):	44.3	38.8
Limit (dB):	38.5	35.6
Margin (dB):	5.8	3.2
Frequency (MHz):	161.50	241.00



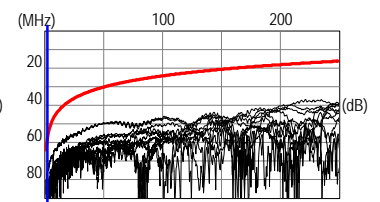
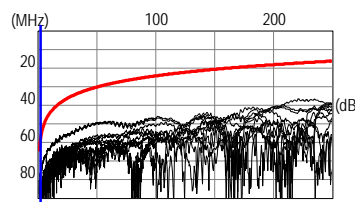
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	21.9	23.9
Limit (dB):	15.5	18.1
Margin (dB):	6.4	5.8
Frequency (MHz):	70.50	38.25



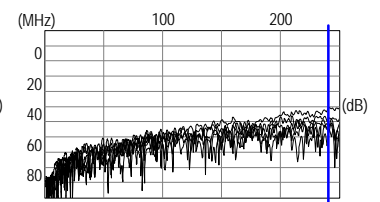
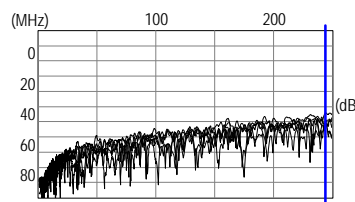
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	3-1
Value (dB):	75.0	74.8
Limit (dB):	58.2	58.2
Margin (dB):	16.8	16.6
Frequency (MHz):	2.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	34.1	30.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	244.00	241.00



Networks tested

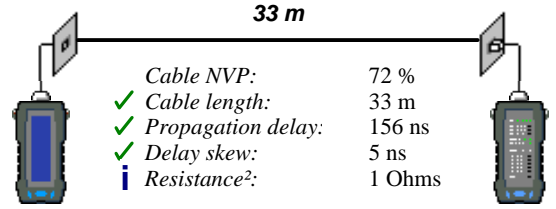
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



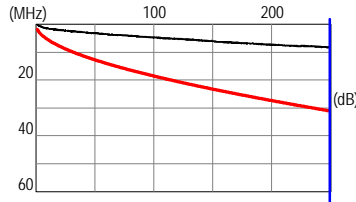
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:03 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3077)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3120)
 Profile: Default Cat 6
 Operator: Dennis

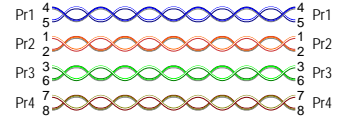


✓ Attenuation (dB)

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

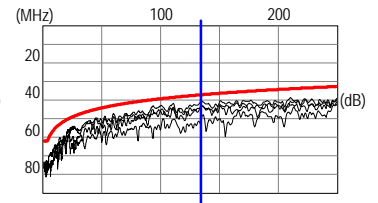
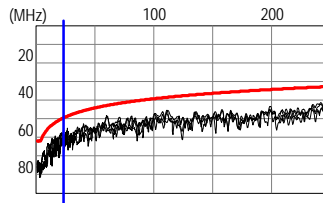


Wiremap (pairing T568B)



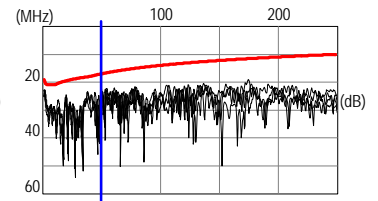
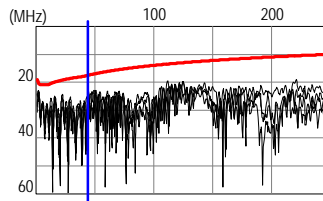
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	4 (7,8)
Value (dB):	55.0	40.3
Limit (dB):	49.7	37.2
Margin (dB):	5.3	3.1
Frequency (MHz):	23.13	134.50



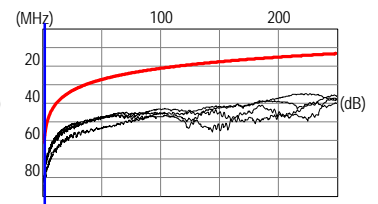
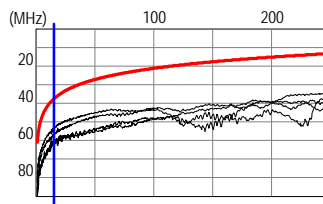
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	22.9	22.5
Limit (dB):	17.5	17.1
Margin (dB):	5.4	5.4
Frequency (MHz):	44.25	49.50



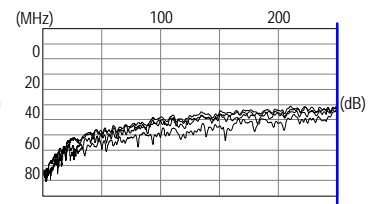
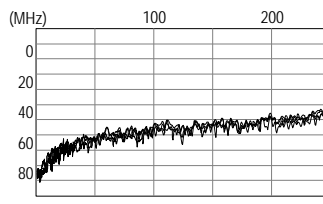
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	53.1	74.9
Limit (dB):	37.7	58.4
Margin (dB):	15.4	16.5
Frequency (MHz):	15.00	1.38



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	2 (1,2)	1 (4,5)
Value (dB):	31.7	30.6
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	250.00



Networks tested

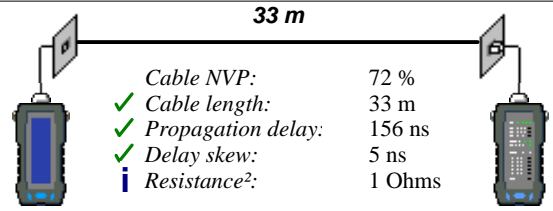
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



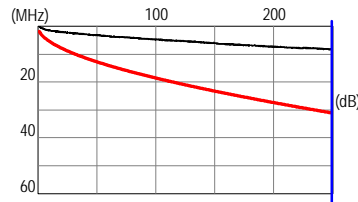
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:03 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3077)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3120)
 Profile: Default Cat 6
 Operator: Dennis

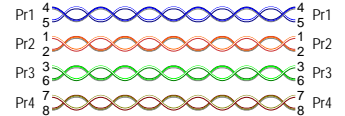


✓ Attenuation (dB)

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

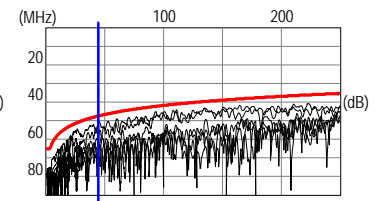
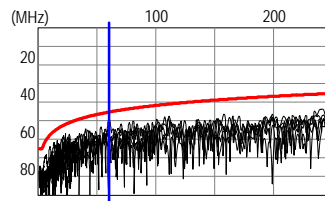


Wiremap (pairing T568B)



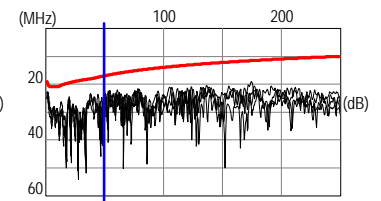
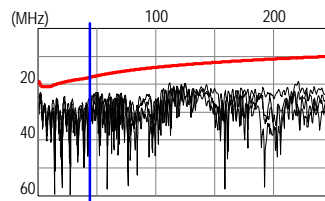
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	3-4
Value (dB):	49.4	50.2
Limit (dB):	45.4	47.5
Margin (dB):	4.0	2.7
Frequency (MHz):	60.50	44.75



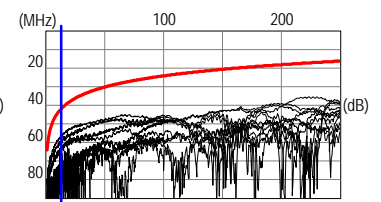
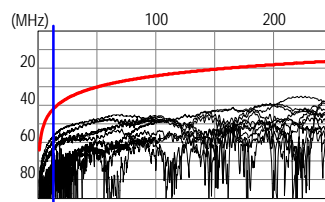
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	3 (3,6)
Value (dB):	22.9	22.5
Limit (dB):	17.5	17.1
Margin (dB):	5.4	5.4
Frequency (MHz):	44.25	49.50



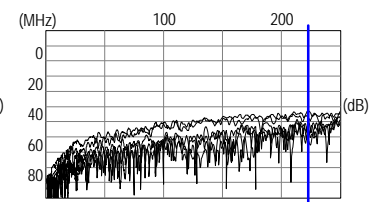
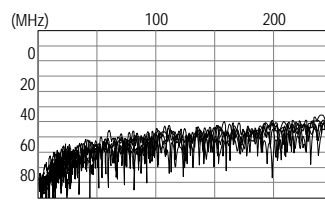
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-2	3-2
Value (dB):	55.7	55.8
Limit (dB):	41.8	41.8
Margin (dB):	13.9	14.0
Frequency (MHz):	13.13	13.13



i ACR² (dB)

	@WS	@DR
Worst combo:	1-2	3-4
Value (dB):	34.0	32.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	223.00



Networks tested

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

² Not required for selected limit

WireScope 350

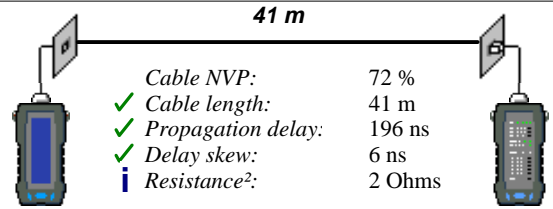
Site: **Business Council**
Cable Label: **27A**



PASS

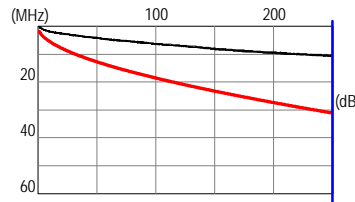
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 1:05 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3078)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3121)
Profile: Default Cat 6
Operator: Dennis

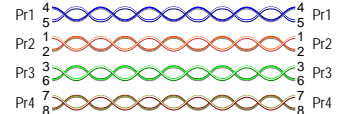


Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 10.8
Limit (dB): 31.1
Margin (dB): 20.3
Frequency (MHz): 250.00

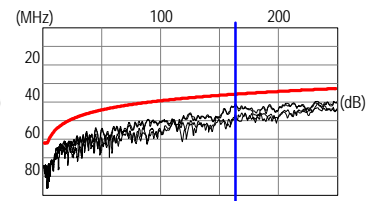
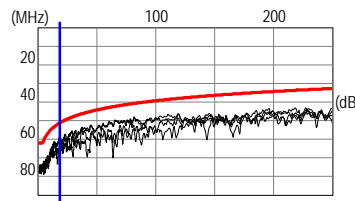


Wiremap (pairing T568B)



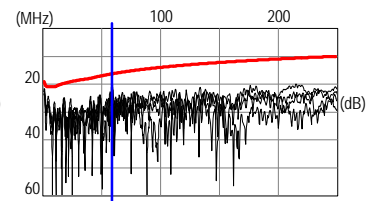
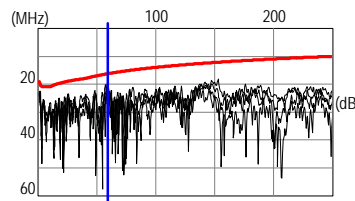
PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	1 (4,5)	2 (1,2)
Value (dB):	58.3	41.2
Limit (dB):	51.3	35.8
Margin (dB):	7.0	5.4
Frequency (MHz):	18.25	163.50



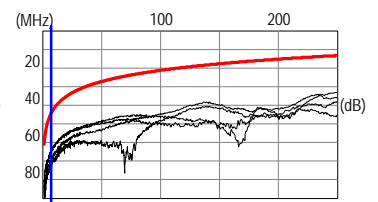
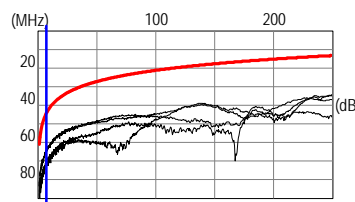
Return Loss (dB)

	@WS	@DR
Worst pair:	2 (1,2)	4 (7,8)
Value (dB):	19.2	20.0
Limit (dB):	16.3	16.3
Margin (dB):	2.9	3.7
Frequency (MHz):	59.25	58.75



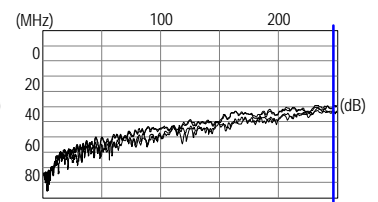
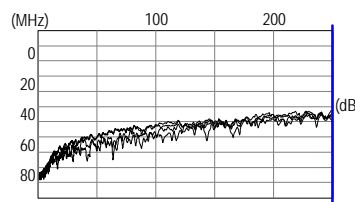
PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	4 (7,8)	1 (4,5)
Value (dB):	62.8	62.3
Limit (dB):	44.1	44.1
Margin (dB):	18.7	18.2
Frequency (MHz):	7.13	7.13



PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	2 (1,2)
Value (dB):	32.4	29.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	250.00	247.00



Networks tested

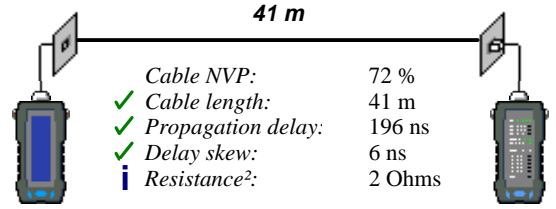
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



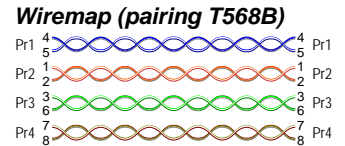
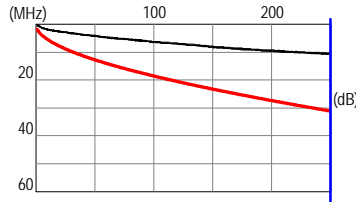
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:05 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3078)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3121)
 Profile: Default Cat 6
 Operator: Dennis



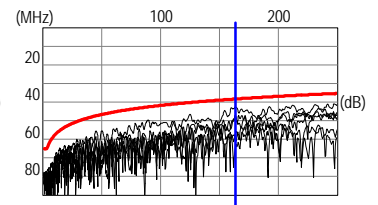
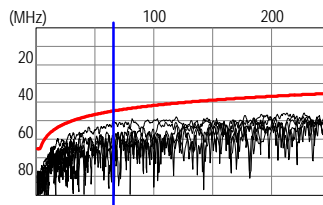
✓ **Attenuation (dB)**

Worst pair: 1 (4,5)
Value (dB): 10.8
Limit (dB): 31.1
Margin (dB): 20.3
Frequency (MHz): 250.00



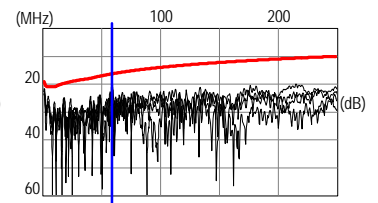
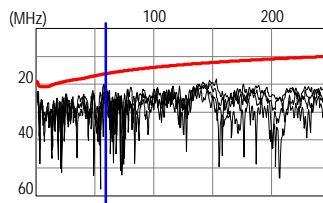
✓ **NEXT (dB)** @WS @DR

Worst combo: 1-3 1-2
Value (dB): 50.3 42.6
Limit (dB): 44.8 38.4
Margin (dB): 5.5 4.2
Frequency (MHz): 65.75 163.50



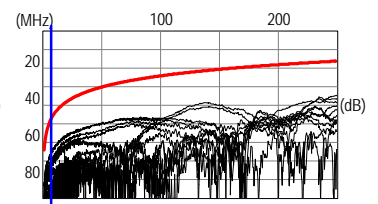
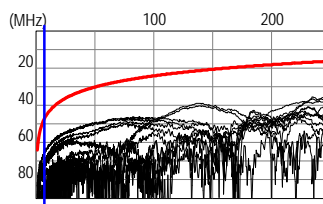
✓ **Return Loss (dB)** @WS @DR

Worst pair: 2 (1,2) 4 (7,8)
Value (dB): 19.2 20.0
Limit (dB): 16.3 16.3
Margin (dB): 2.9 3.7
Frequency (MHz): 59.25 58.75



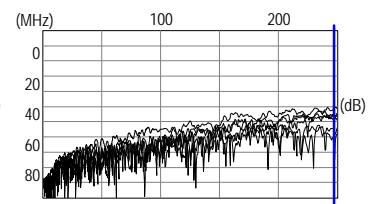
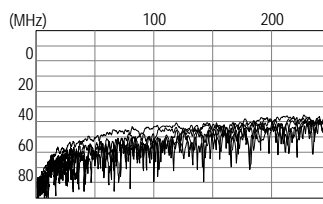
✓ **ELFEXT (dB)** Atten(TX) Atten(RX)

Worst combo: 4-1 4-1
Value (dB): 63.4 63.3
Limit (dB): 47.1 47.1
Margin (dB): 16.3 16.2
Frequency (MHz): 7.13 7.13



i **ACR² (dB)** @WS @DR

Worst combo: 3-2 1-2
Value (dB): 34.4 30.3
Limit (dB): 30.3 30.3
Margin (dB): 4.1 0.0
Frequency (MHz): 250.00 247.50



Networks tested

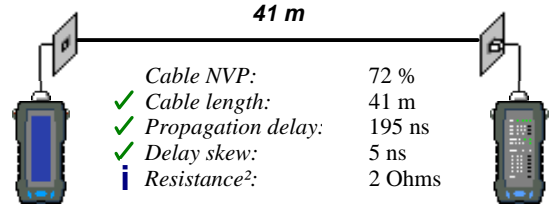
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit

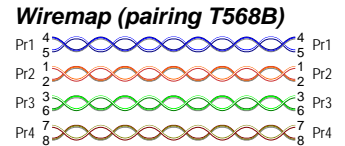
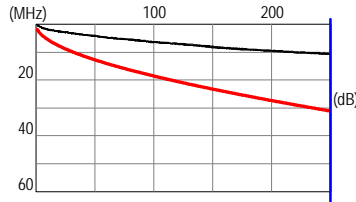


Cable Certification Report (PowerSum data)

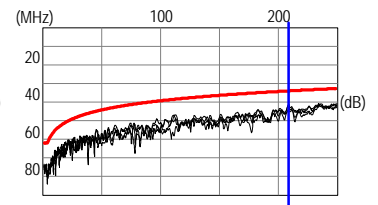
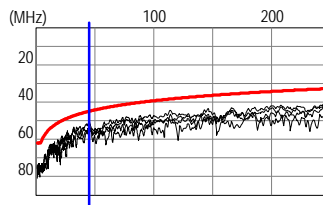
Limit: TIA-568B Category 6 Link
Tested: 12/15/2010 1:07 PM
Cable: Superior Essex DataGain P
WS 350 US4016011C with Agilent Technologies Cat 6 Link (3079)
DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3122)
Profile: Default Cat 6
Operator: Dennis



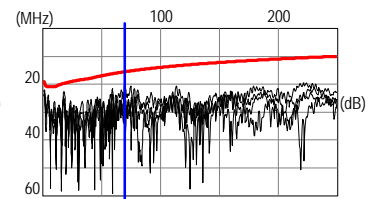
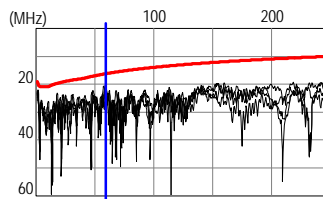
Attenuation (dB)
Worst pair: 3 (3,6)
Value (dB): 10.8
Limit (dB): 31.1
Margin (dB): 20.3
Frequency (MHz): 250.00



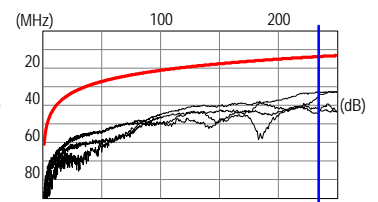
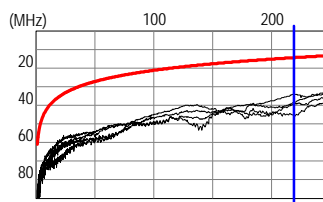
PowerSum NEXT (dB) @WS @DR
Worst pair: 3 (3,6) 4 (7,8)
Value (dB): 50.5 41.2
Limit (dB): 45.0 34.0
Margin (dB): 5.5 7.2
Frequency (MHz): 45.00 208.50



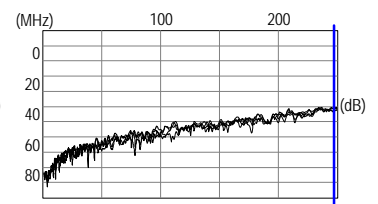
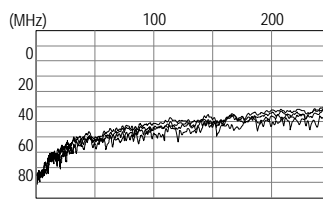
Return Loss (dB) @WS @DR
Worst pair: 4 (7,8) 4 (7,8)
Value (dB): 20.2 20.4
Limit (dB): 16.3 15.6
Margin (dB): 3.9 4.8
Frequency (MHz): 59.25 69.75



PowerSum ELFEXT (dB) Atten(TX) Atten(RX)
Worst pair: 4 (7,8) 1 (4,5)
Value (dB): 34.2 32.7
Limit (dB): 14.4 13.8
Margin (dB): 19.8 18.9
Frequency (MHz): 219.00 234.00



PowerSum ACR² (dB) @WS @DR
Worst pair: 3 (3,6) 3 (3,6)
Value (dB): 29.5 30.4
Limit (dB): 40.0 40.0
Margin (dB): 10.5 10.4
Frequency (MHz): 247.50 247.50



Networks tested

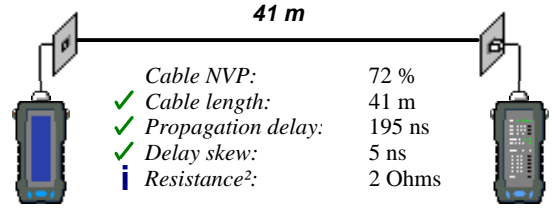
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



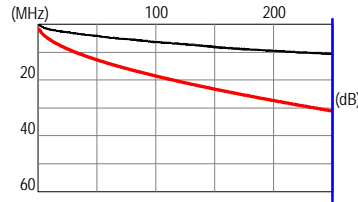
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:07 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3079)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3122)
 Profile: Default Cat 6
 Operator: Dennis

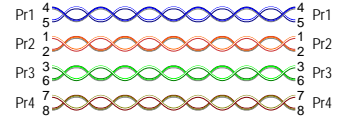


✓ Attenuation (dB)

Worst pair: 3 (3,6)
Value (dB): 10.8
Limit (dB): 31.1
Margin (dB): 20.3
Frequency (MHz): 250.00

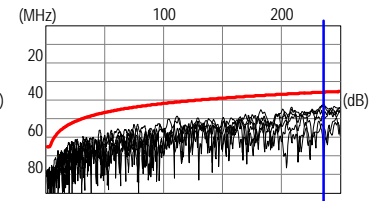
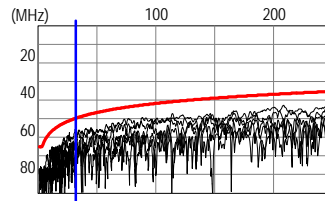


Wiremap (pairing T568B)



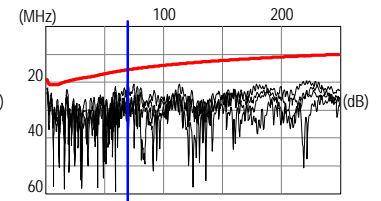
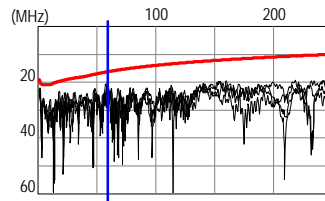
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	3-4
Value (dB):	55.4	42.1
Limit (dB):	49.8	35.8
Margin (dB):	5.6	6.3
Frequency (MHz):	32.25	236.00



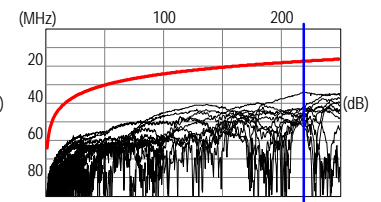
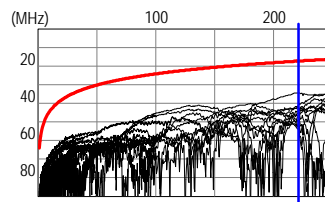
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	4 (7,8)	4 (7,8)
Value (dB):	20.2	20.4
Limit (dB):	16.3	15.6
Margin (dB):	3.9	4.8
Frequency (MHz):	59.25	69.75



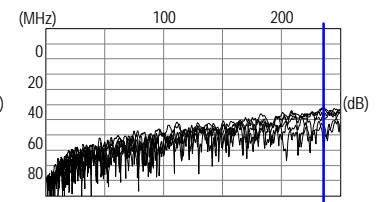
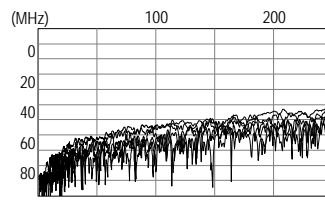
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	34.3	34.1
Limit (dB):	17.3	17.4
Margin (dB):	17.0	16.7
Frequency (MHz):	221.00	219.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-2	3-4
Value (dB):	30.6	31.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	249.50	236.00



Networks tested

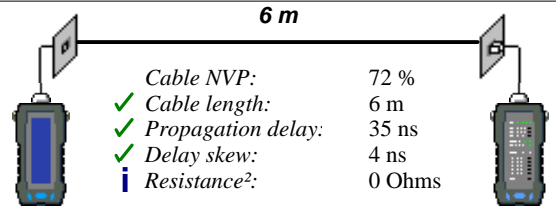
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



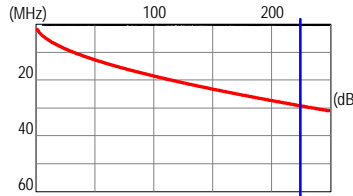
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:16 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3083)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3125)
 Profile: Default Cat 6
 Operator: Dennis

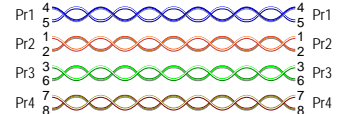


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 0.6
Limit (dB): 29.2
Margin (dB): 28.6
Frequency (MHz): 224.50

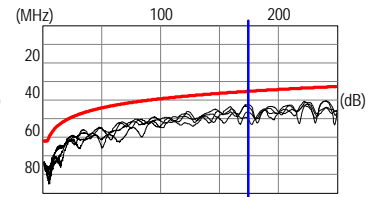
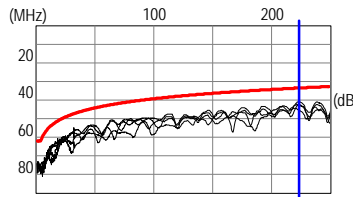


Wiremap (pairing T568B)



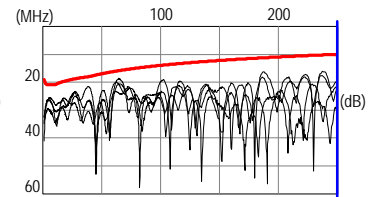
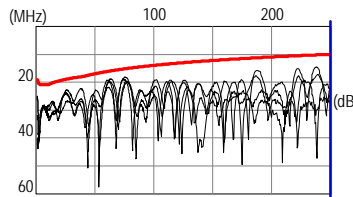
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	2 (1,2)
Value (dB):	40.8	42.3
Limit (dB):	33.5	35.3
Margin (dB):	7.3	7.0
Frequency (MHz):	223.50	174.50



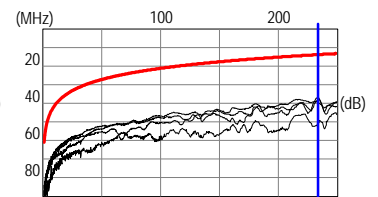
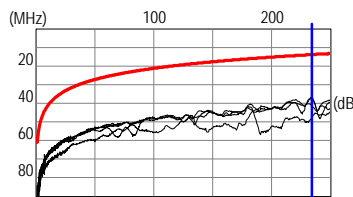
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	21.8	19.3
Limit (dB):	10.0	10.0
Margin (dB):	11.8	9.3
Frequency (MHz):	250.00	250.00



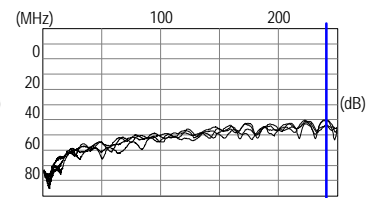
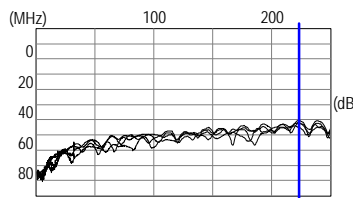
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	36.9	36.7
Limit (dB):	13.8	13.8
Margin (dB):	23.1	22.9
Frequency (MHz):	234.00	233.50



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	40.3	40.0
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.50	240.50



Networks tested

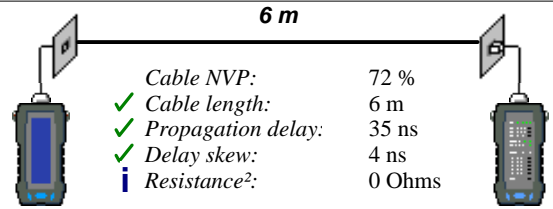
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



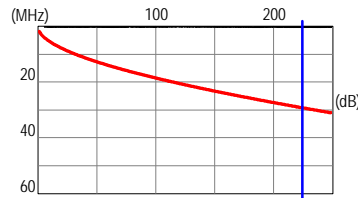
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:16 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3083)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3125)
 Profile: Default Cat 6
 Operator: Dennis

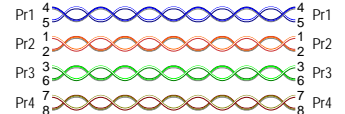


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 0.6
Limit (dB): 29.2
Margin (dB): 28.6
Frequency (MHz): 224.50

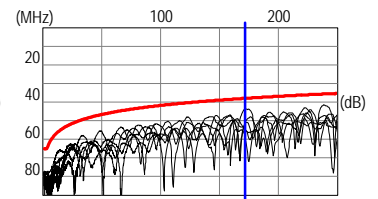
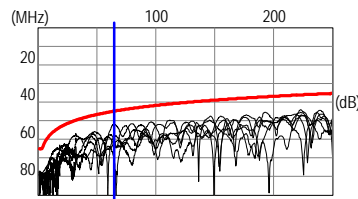


Wiremap (pairing T568B)



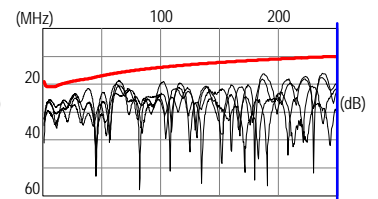
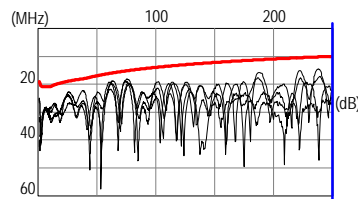
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	3-2
Value (dB):	52.0	43.5
Limit (dB):	44.9	38.0
Margin (dB):	7.1	5.5
Frequency (MHz):	64.75	172.00



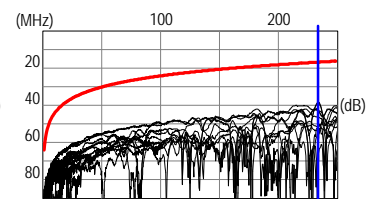
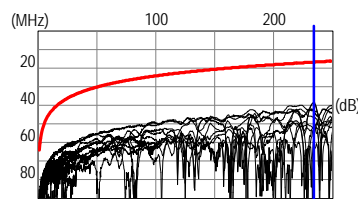
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	1 (4,5)
Value (dB):	21.8	19.3
Limit (dB):	10.0	10.0
Margin (dB):	11.8	9.3
Frequency (MHz):	250.00	250.00



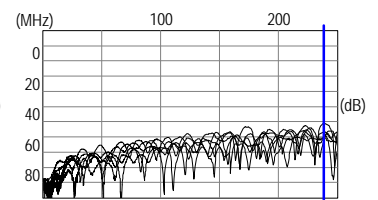
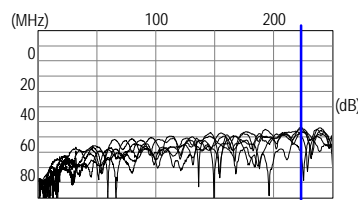
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	1-3	3-1
Value (dB):	38.3	38.3
Limit (dB):	16.8	16.8
Margin (dB):	21.5	21.5
Frequency (MHz):	234.50	233.50



i ACR² (dB)

	@WS	@DR
Worst combo:	1-3	3-2
Value (dB):	43.7	41.1
Limit (dB):		
Margin (dB):		
Frequency (MHz):	223.50	238.50



Networks tested

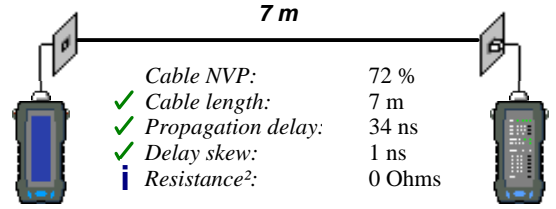
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



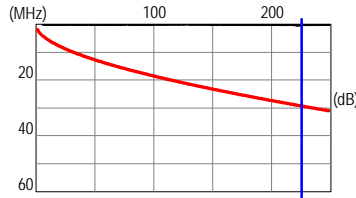
Cable Certification Report (PowerSum data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:20 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3085)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3127)
 Profile: Default Cat 6
 Operator: Dennis

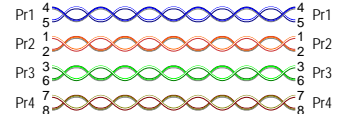


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 0.6
Limit (dB): 29.3
Margin (dB): 28.7
Frequency (MHz): 225.50

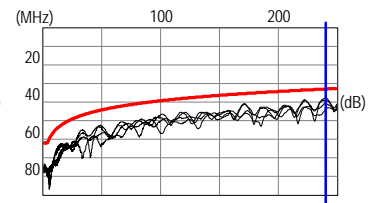
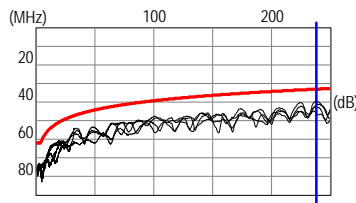


Wiremap (pairing T568B)



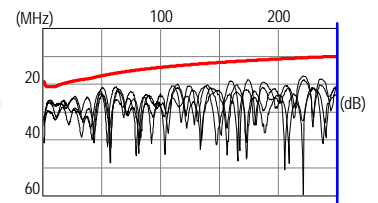
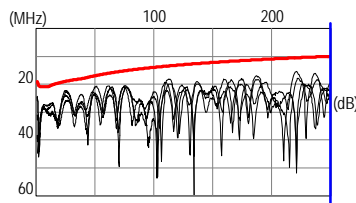
✓ PowerSum NEXT (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	39.7	37.8
Limit (dB):	33.1	33.0
Margin (dB):	6.6	4.8
Frequency (MHz):	238.00	240.00



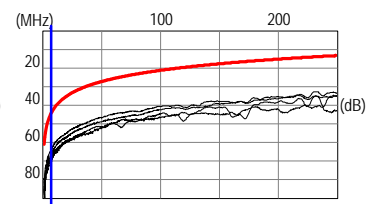
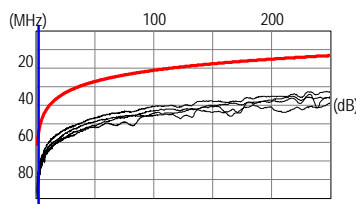
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	19.5	20.2
Limit (dB):	10.0	10.0
Margin (dB):	9.5	10.2
Frequency (MHz):	250.00	250.00



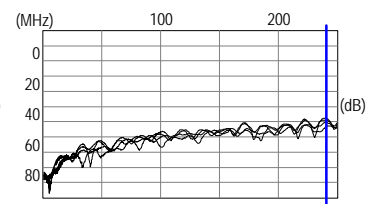
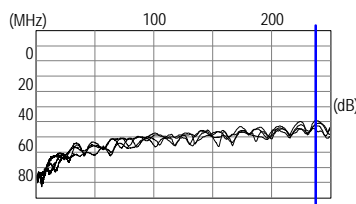
✓ PowerSum ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst pair:	1 (4,5)	1 (4,5)
Value (dB):	73.6	62.0
Limit (dB):	55.2	44.1
Margin (dB):	18.4	17.9
Frequency (MHz):	2.00	7.13



i PowerSum ACR² (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	39.2	37.5
Limit (dB):		
Margin (dB):		
Frequency (MHz):	237.50	240.50



Networks tested

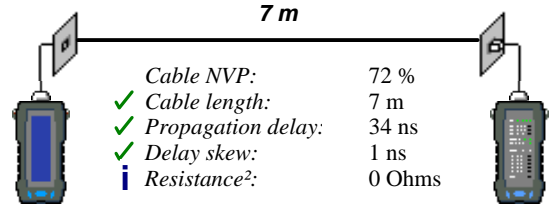
10 Base-T **PASS** 100 Base-Tx **PASS** 1000 Base-T **PASS**

² Not required for selected limit



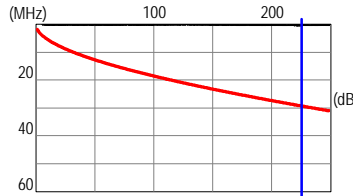
Cable Certification Report (Pair-to-pair data)

Limit: TIA-568B Category 6 Link
 Tested: 12/15/2010 1:20 PM
 Cable: Superior Essex DataGain P
 WS 350 US4016011C with Agilent Technologies Cat 6 Link (3085)
 DR 350 US4016010Y with Agilent Technologies Cat 6 Link (3127)
 Profile: Default Cat 6
 Operator: Dennis

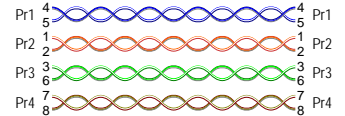


✓ Attenuation (dB)

Worst pair: 1 (4,5)
Value (dB): 0.6
Limit (dB): 29.3
Margin (dB): 28.7
Frequency (MHz): 225.50

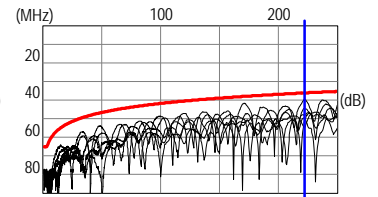
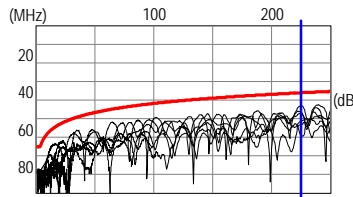


Wiremap (pairing T568B)



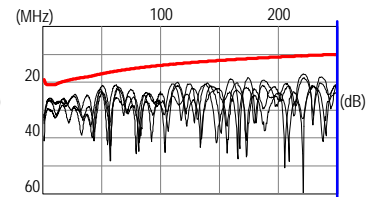
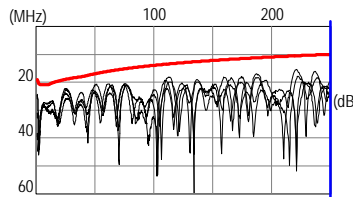
✓ NEXT (dB)

	@WS	@DR
Worst combo:	3-4	3-2
Value (dB):	42.9	39.6
Limit (dB):	36.1	36.2
Margin (dB):	6.8	3.4
Frequency (MHz):	225.00	222.50



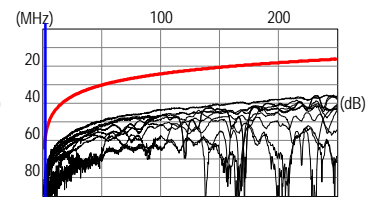
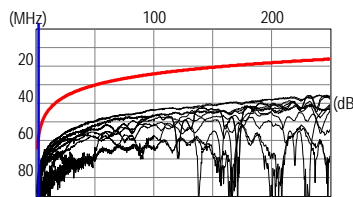
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	19.5	20.2
Limit (dB):	10.0	10.0
Margin (dB):	9.5	10.2
Frequency (MHz):	250.00	250.00



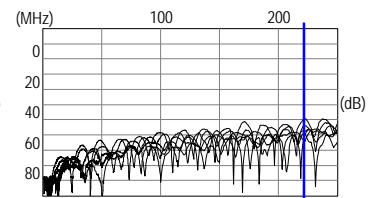
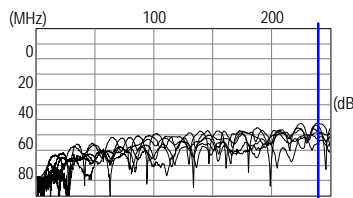
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	4-1	4-1
Value (dB):	74.6	74.6
Limit (dB):	58.2	58.2
Margin (dB):	16.4	16.4
Frequency (MHz):	2.00	2.00



i ACR² (dB)

	@WS	@DR
Worst combo:	3-4	3-2
Value (dB):	42.1	39.2
Limit (dB):		
Margin (dB):		
Frequency (MHz):	239.50	222.00



Networks tested

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

² Not required for selected limit