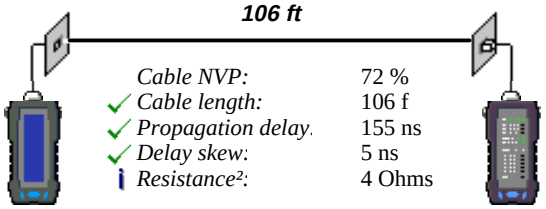
WireScope 350
(Insert Your Logo Here)

Site:	**Agilent Technologies, Inc.**
Building:	**Marlborough**
Floor:	**Floor 1**
Closet:	**Closet 5**
Cable ID:	**Marlborough-1-1a-1-1-2**

6
PASS

Cable Certification Report (Pair-to-pair data)

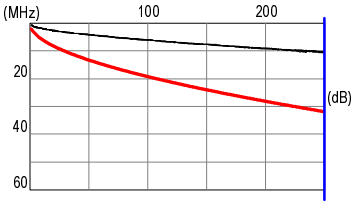
Limit:	TIA Category 6 Category 6 draft 5 Basic Link
Tested:	02/29/2000 10:00 AM
Cable:	2071 GigaSPEED
WS 350	US39380102 with Lucent GigaSPEED Link (23)
DR 350	US39450105 with Lucent GigaSPEED Link (4)
Operator:	Operator's Name



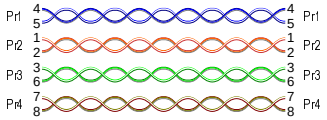
Cable NVP:	72 %
✓ *Cable length:*	106 f
✓ *Propagation delay:*	155 ns
✓ *Delay skew:*	5 ns
ℹ *Resistance²:*	4 Ohms

✓ Attenuation (dB)

Worst pair:	3 (3,6)
Value (dB):	10.6
Limit (dB):	31.8
Margin (dB):	21.2
Frequency (MHz):	250.00

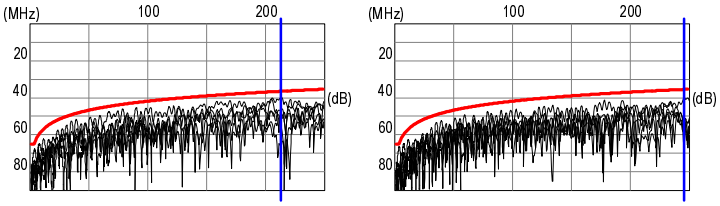


Wiremap (pairing T568B)



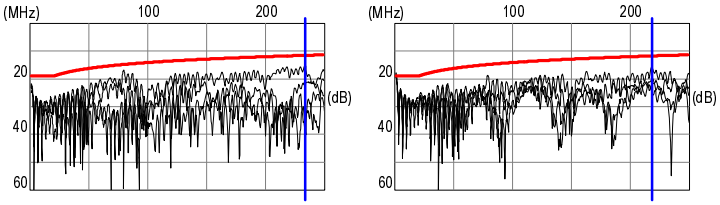
✓ NEXT (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	39.4	40.1
Limit (dB):	36.5	35.5
Margin (dB):	2.9	4.6
Frequency (MHz):	213.00	245.50



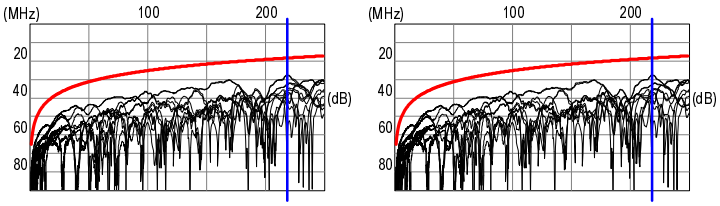
✓ Return Loss (dB)

	@WS	@DR
Worst pair:	3 (3,6)	3 (3,6)
Value (dB):	15.0	15.6
Limit (dB):	11.5	11.7
Margin (dB):	3.5	3.9
Frequency (MHz):	233.50	218.50



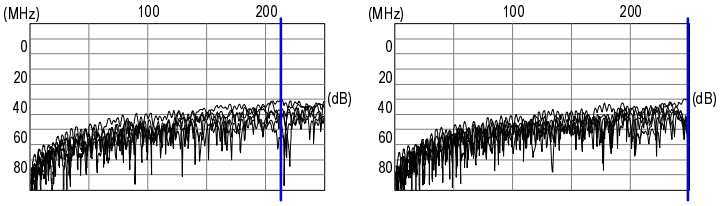
✓ ELFEXT (dB)

	Atten(TX)	Atten(RX)
Worst combo:	3-1	1-3
Value (dB):	27.5	27.6
Limit (dB):	18.4	18.4
Margin (dB):	9.1	9.2
Frequency (MHz):	218.50	218.50



ℹ ACR² (dB)

	@WS	@DR
Worst combo:	1-3	1-3
Value (dB):	29.9	29.7
Limit (dB):		
Margin (dB):		
Frequency (MHz):	213.00	249.00



Networks tested

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

² Not required for selected limit

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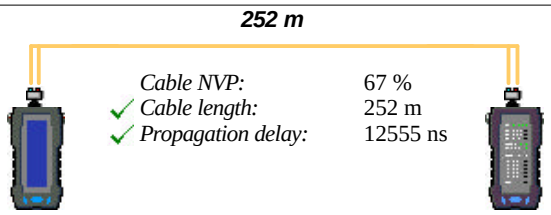
Site:	**Agilent Technologies, Inc**
Building:	**Marlborough**
Floor:	**1**
Closet:	**3**
Cable ID:	**Marlborough-1-3-1-1**

PASS

Fiber Certification Report

Limit:	TIA 568, ISO 11801 1st Ed. MMF Limit
Tested:	04/13/2000 09:36 AM
Cable:	Corning InfiniCor 600 (custom)
WS 350	US39410118 with SmartProbe+ 1300 nm
DR 350	US39410110 with SmartProbe+ 850 nm
Operator:	George



Loss	Value (dB)	Wavelength (nm)	Limit (dB)	Margin (dB)
✓ Fiber 1	0.1	850	2.4	2.3
✓ Fiber 2	0.2	850	2.4	2.2
✓ Fiber 1	1.6	1300	2.0	0.4
✓ Fiber 2	1.6	1300	2.0	0.4

Test limit budgets

Limit mode: Loss/Length

	Total	Loss per	Total Loss
Connectors	2	0.75 dB	1.50 dB
Splices	1	0.30 dB	0.30 dB

		850 nm	1300 nm
Cable loss per km		2.50 dB/km	0.80 dB/km
Cable	0.252 km	0.63 dB	0.20 dB
Connectors	2	1.50 dB	1.50 dB
Splices	1	0.30 dB	0.30 dB
Overall test limit		***2.43 dB***	***2.00 dB***

Networks tested

ATM-622	***PASS***	*ATM-155 SWL*	***PASS***	*ATM-155*	***PASS***
10 Base-FB	***PASS***	*10 Base-FL*	***PASS***	*100 Base-F*	***PASS***
1000 Base-LX	***PASS***	*1000 Base-SX*	***PASS***		

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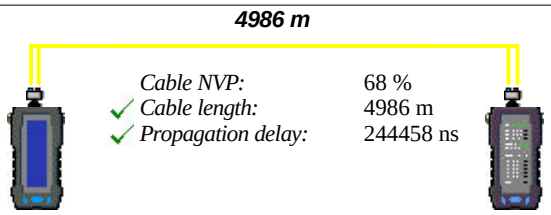
Site:	**Agilent Technologies, Inc**
Building:	**Marlborough**
Floor:	**1**
Closet:	**3**
Cable ID:	**Marlborough-1-3-2-5**

PASS

Fiber Certification Report

Limit:	TIA 568, ISO 11801 1st Ed. SMF Limit
Tested:	04/13/2000 09:57 AM
Cable:	Corning SMF-28 (custom)
WS 350	US39410118 with SmartProbe+ 1550 nm laser
DR 350	US39410110 with SmartProbe+ 1310 nm laser
Operator:	George



Loss	Value (dB)	Wavelength (nm)	Limit (dB)	Margin (dB)
✓ Fiber 1	2.5	1310	3.8	1.3
✓ Fiber 2	3.2	1310	3.8	0.6
✓ Fiber 1	1.3	1550	3.3	2.0
✓ Fiber 2	1.1	1550	3.3	2.2

Test limit budgets

Limit mode: Loss/Length

	Total	Loss per	Total Loss
Connectors	2	0.75 dB	1.50 dB
Splices	1	0.30 dB	0.30 dB

		1310 nm	1550 nm
Cable loss per km		0.40 dB/km	0.30 dB/km
Cable	4.986 km	1.99 dB	1.50 dB
Connectors	2	1.50 dB	1.50 dB
Splices	1	0.30 dB	0.30 dB
Overall test limit		***3.79 dB***	***3.30 dB***

Networks tested

ATM-622	***PASS***	*ATM-155*	***PASS***	*1000 Base-LX*	***PASS***