VERTICAL CABLE

CAT6A PATCH CORD STRANDED 28 AWG

UTP (SLIM)

077 SERIES

DESCRIPTION

CAT6A Patch Cords, Slim, Stranded 28-AWG UTP, 8P8C ("RJ45") Modular Plugs

FEATURES

- Stranded Bare Copper Conductors
- Supports IEEE 802.3at (PoE+ Type 2)
- Unshielded 8P8C ("RJ45") Modular Plugs
- 50-µin Gold Plated Contacts
- Flame-Retardant PVC Jacket
- CM Rated, UL Listed, RoHS Compliant
- T568B Wiring Scheme
- Available in various colors for easy Identification
- Available in Single & x24-Packs

Length	Weight
0.5 ft.	0.03 lb. (0.01 kg)
1 ft.	0.04 lb. (0.02 kg)
2 ft.	0.06 lb. (0.03 kg)
3 ft.	0.07 lb. (0.03 kg)
5 ft.	0.08 lb. (0.04 kg)
7 ft.	0.11 lb. (0.05 kg)
10 ft.	0.15 lb. (0.07 kg)
14 ft.	0.20 lb. (0.09 kg)
25 ft.	0.31 lb. (0.14 kg)
50 ft.	0.60 lb. (0.27 kg)
24-Pack	0.4 lb. (0.18 kg)

PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 118011 specifications

CONSTRUCTION

Media: 4 Unscreened Twisted Pairs
8 Stranded Conductors

Wiring Scheme: ANSI/TIA-568.2: T568B
ISO/IEC 118011: 8-position 1-2/3-6/4-5/7-8 pin/pair assignment

Conductors: Stranded Bare Copper 28 AWG

INSULATION

Material: High-Density Polyethylene (HDPE)

JACKET

Material: Polyvinyl chloride (PVC), Flame-retardant
Diameter: 0.15 in. (3.8 mm)
Marking: E468535 (UL) C (UL) CM CAT.6A UTP 28AWG *4P CABLE 10GIG UTP CAT6A 4PR 28AWG Stranded ANSI/TIA-568-D.2 & ISO/IEC 11801 ROHS Compliant

PLUGS

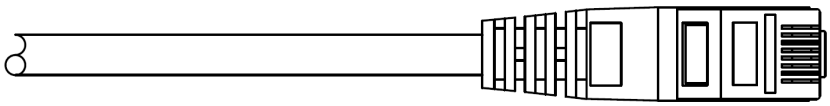
Type: 8P8C Modular Plugs ("RJ45")
Housing: Flame-retardant polycarbonate (PC), 94V-0
Contacts: 50 µin gold plated

ELECTRIC

Insulation Resistance: 10 M Ohm Min.
Contact Resistance: 2 Ohm Max
Hi-Pot Test: 300 V DC/10ms
Open Short, Miss Wire Test: -100%

SAFETY

Voltage Rating: 300 V
Fire Rating: UL444



Florida (HQ) 800-749-2447
California 951-696-7772
New York 845-391-8318
Texas 713-322-7242

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RoHS

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Rev. 10/2026

Single Pack									
Size	Black	Blue	Green	Grey	Orange	Purple	Red	White	Yellow
½ FT	077-2010/05BK	077-2011/05BL	077-2012/05GR	077-2013/05GY	077-2014/05OR	077-2015/05PR	077-2016/05RD	077-2017/05WH	077-2018/05YL
1 FT	077-2019/1BK	077-2020/1BL	077-2021/1GR	077-2022/1GY	077-2023/1OR	077-2024/1PR	077-2025/1RD	077-2026/1WH	077-2027/1YL
2 FT	077-2028/2BK	077-2029/2BL	077-2030/2GR	077-2031/2GY	077-2032/2OR	077-2033/2PR	077-2034/2RD	077-2035/2WH	077-2036/2YL
3 FT	077-2037/3BK	077-2038/3BL	077-2039/3GR	077-2040/3GY	077-2041/3OR	077-2042/3PR	077-2043/3RD	077-2044/3WH	077-2045/3YL
5 FT	077-2046/5BK	077-2047/5BL	077-2048/5GR	077-2049/5GY	077-2050/5OR	077-2051/5PR	077-2052/5RD	077-2053/5WH	077-2054/5YL
7 FT	077-2064/7BK	077-2065/7BL	077-2066/7GR	077-2067/7GY	077-2068/7OR	077-2069/7PR	077-2070/7RD	077-2071/7WH	077-2072/7YL
10 FT	077-2073/10BK	077-2074/10BL	077-2075/10GR	077-2076/10GY	077-2077/10OR	077-2078/10PR	077-2079/10RD	077-2080/10WH	077-2081/10YL
14 FT	077-2082/14BK	077-2083/14BL	077-2084/14GR	077-2085/14/GY	077-2086/14OR	077-2087/14PR	077-2088/14RD	077-2089/14WH	077-2090/14YL
25 FT	077-2100/25BK	077-2101/25BL	077-2102/25GR	077-2103/25GY	077-2104/25OR	077-2105/25PR	077-2106/25RD	077-2107/25WH	077-2108/25YL
50 FT	077-2109/50BK	077-2110/50BL	077-2111/50GR	077-2112/50GY	077-2113/50OR	077-2114/50PR	077-2115/50RD	077-2116/50WH	077-2117/50YL

24-PACK	
077-3000/05BK24	(Black)
077-3001/05BL24	(Blue)
077-3002/05GR24	(Green)
077-3003/05GY24	(Grey)
077-3004/05OR24	(Orange)
077-3005/05PR24	(Purple)
077-3006/05RD24	(Red)
077-3007/05WH24	(White)
077-3008/05YL24	(Yellow)

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 05

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:29:50 PM
Operator: VERTICAL TECH
Headroom 21.1 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

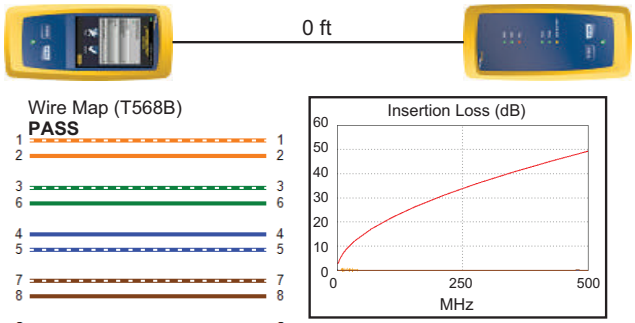
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

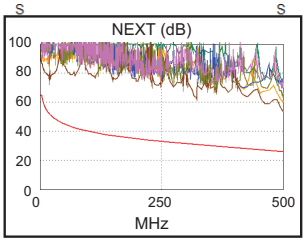
Length (ft), Limit 328	[Pair 3,6]	0
Prop. Delay (ns), Limit 555	[Pair 1,2]	1
Delay Skew (ns), Limit 50	[Pair 1,2]	1
Resistance (ohms)	[Pair 7,8]	0.01
Insertion Loss Margin (dB)	[Pair 1,2]	13.0
Frequency (MHz)	[Pair 1,2]	40.3
Limit (dB)	[Pair 1,2]	13.1

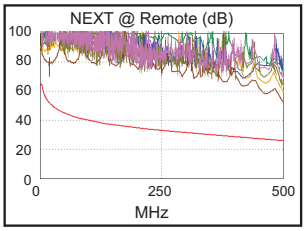
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	21.1	21.4	27.6	26.7
Freq. (MHz)	3.1	3.4	500.0	500.0
Limit (dB)	64.8	64.2	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	22.2	21.7	29.5	28.6
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	61.7	61.7	23.2	23.2
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	17.9	17.9	18.1	18.1
Freq. (MHz)	355.0	355.0	367.0	367.0
Limit (dB)	12.3	12.3	12.0	12.0
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	20.8	20.7	20.9	21.1
Freq. (MHz)	355.0	355.0	367.0	375.0
Limit (dB)	9.3	9.3	9.0	8.8
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	24.8	25.2	76.9	76.0
Freq. (MHz)	3.1	3.4	500.0	500.0
Limit (dB)	61.1	60.4	-23.2	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	26.0	25.5	78.8	77.9
Freq. (MHz)	3.4	3.4	500.0	500.0
Limit (dB)	57.9	57.9	-26.1	-26.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	4,5	3,6
RL (dB)	8.8	10.7	9.5	12.6
Freq. (MHz)	1.0	1.0	500.0	500.0
Limit (dB)	19.0	19.0	6.0	6.0

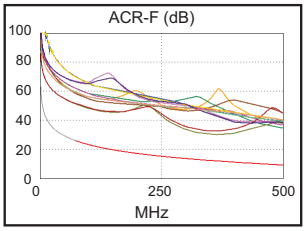
Compliant Network Standards:

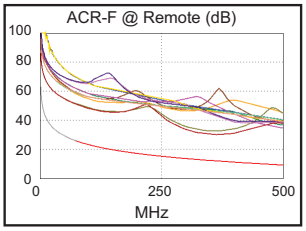
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

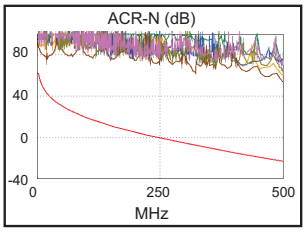


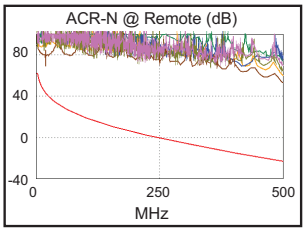


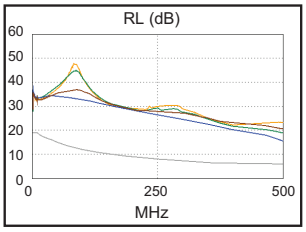


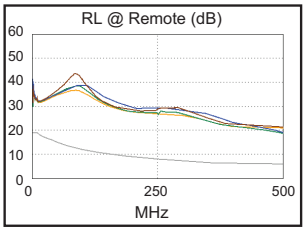












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RoHS
Rev. 10/2026

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 1

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:31:45 PM
Operator: VERTICAL TECH
Headroom 22.1 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

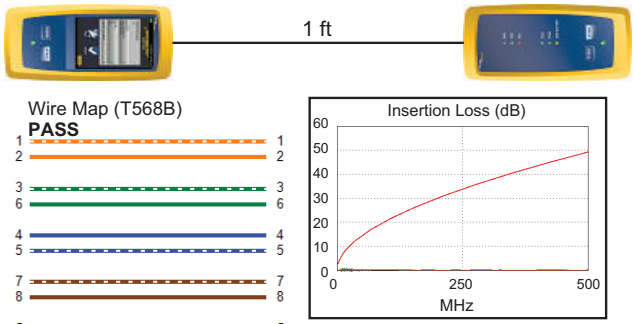
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

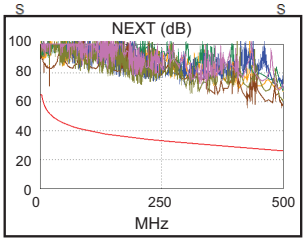
Length (ft), Limit 328	[Pair 1,2]	1
Prop. Delay (ns), Limit 555	[Pair 1,2]	1
Delay Skew (ns), Limit 50	[Pair 1,2]	0
Resistance (ohms)	[Pair 7,8]	0.15
Insertion Loss Margin (dB)	[Pair 7,8]	36.8
Frequency (MHz)	[Pair 7,8]	295.0
Limit (dB)	[Pair 7,8]	37.0

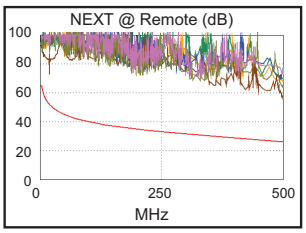
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	22.1	24.2	30.9	30.4
Freq. (MHz)	19.0	18.5	497.0	499.0
Limit (dB)	52.0	52.2	26.2	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	24.6	24.9	32.3	32.2
Freq. (MHz)	19.0	3.9	497.0	499.0
Limit (dB)	49.3	60.8	23.3	23.3
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	17.5	17.4	17.7	17.7
Freq. (MHz)	468.0	460.0	476.0	476.0
Limit (dB)	9.9	10.0	9.7	9.7
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	20.1	20.0	20.6	20.2
Freq. (MHz)	445.0	460.0	476.0	476.0
Limit (dB)	7.3	7.0	6.7	6.7
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	27.8	28.4	80.1	79.6
Freq. (MHz)	3.1	3.9	497.0	499.0
Limit (dB)	61.1	59.2	-23.0	-23.1
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	28.9	28.8	81.4	81.5
Freq. (MHz)	3.3	3.3	497.0	499.0
Limit (dB)	58.2	58.2	-25.8	-26.0
N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
RL (dB)	8.7	10.1	8.7	10.1
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	6.0	6.0	6.0	6.0

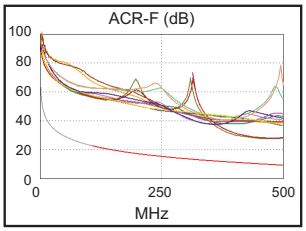
Compliant Network Standards:

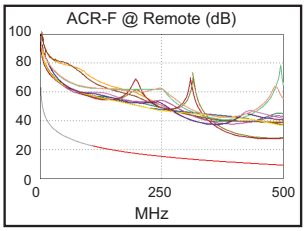
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

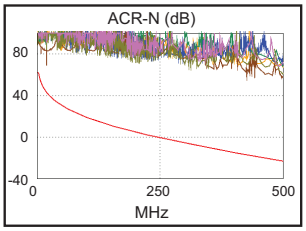


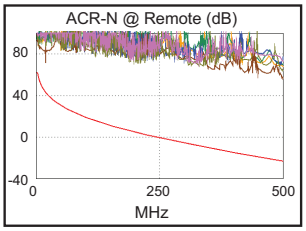


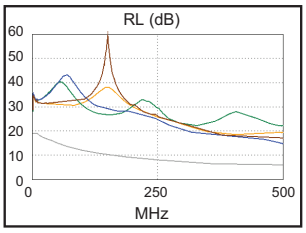


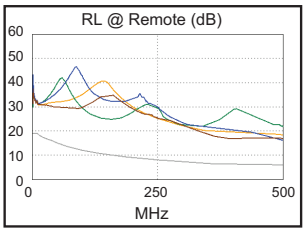












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Project: DEFAULT
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FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 2

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:35:45 PM
Operator: VERTICAL TECH
Headroom 19.4 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

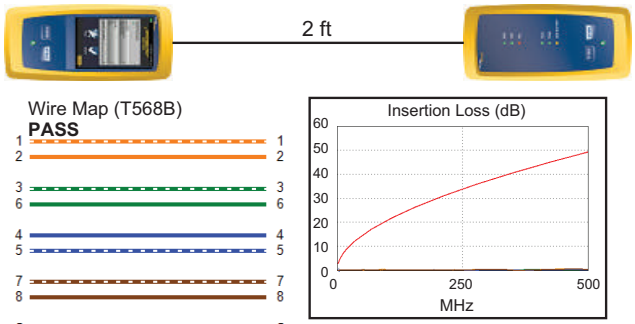
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

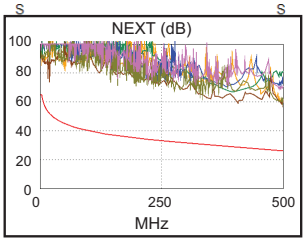
Length (ft), Limit 328	[Pair 1,2]	2
Prop. Delay (ns), Limit 555	[Pair 1,2]	3
Delay Skew (ns), Limit 50	[Pair 1,2]	0
Resistance (ohms)	[Pair 7,8]	0.30
Insertion Loss Margin (dB)	[Pair 1,2]	46.8
Frequency (MHz)	[Pair 1,2]	466.0
Limit (dB)	[Pair 1,2]	47.4

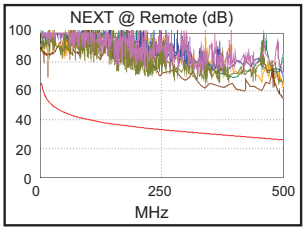
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	24.3	19.4	32.3	28.8
Freq. (MHz)	3.4	15.5	498.0	500.0
Limit (dB)	64.2	53.5	26.1	26.1
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	23.1	21.3	30.9	30.8
Freq. (MHz)	3.5	15.5	498.0	500.0
Limit (dB)	61.5	50.8	23.3	23.2
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	15.5	15.2	15.8	15.4
Freq. (MHz)	384.0	384.0	394.0	391.0
Limit (dB)	11.6	11.6	11.3	11.4
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	18.3	17.8	18.3	17.8
Freq. (MHz)	383.0	384.0	383.0	384.0
Limit (dB)	8.6	8.6	8.6	8.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	27.6	26.5	81.3	77.9
Freq. (MHz)	1.8	1.9	498.0	500.0
Limit (dB)	62.0	62.0	-23.1	-23.2
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	26.9	26.5	79.7	79.7
Freq. (MHz)	1.8	3.4	498.0	500.0
Limit (dB)	59.0	57.9	-25.9	-26.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	1,2	7,8
RL (dB)	6.4	6.0	7.5	6.7
Freq. (MHz)	92.3	98.8	468.0	327.0
Limit (dB)	12.4	12.1	6.0	6.9

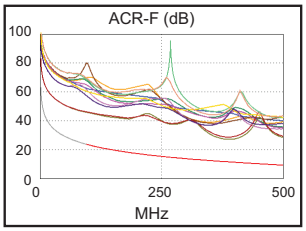
Compliant Network Standards:

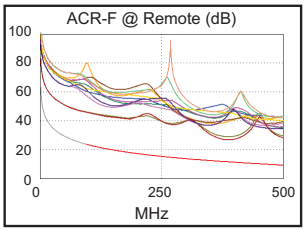
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

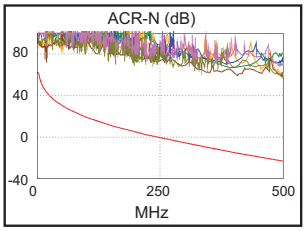


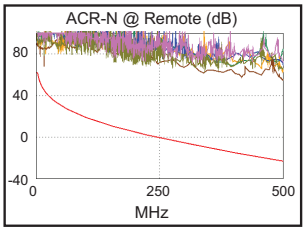


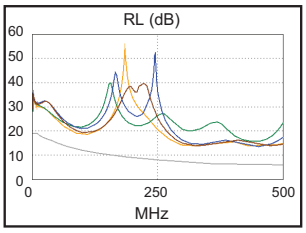


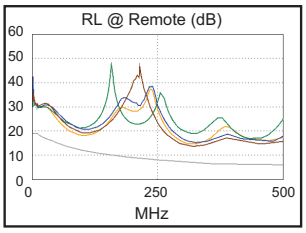












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Project: DEFAULT
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FLUKE networks

Florida (HQ) 800-749-2447
California 951-696-7772
New York 845-391-8318
Texas 713-322-7242
verticalcable.com

This specification sheet is subject to change without notice.
RoHS
Rev. 10/2026

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 3

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:36:50 PM
Operator: VERTICAL TECH
Headroom 22.4 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

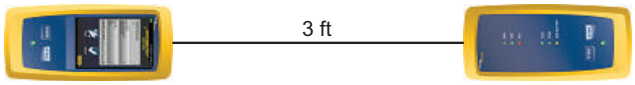
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

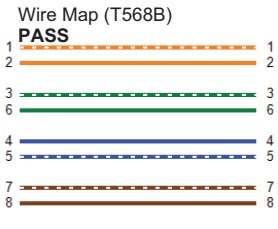
Length (ft), Limit 328	[Pair 1,2]	3
Prop. Delay (ns), Limit 555	[Pair 1,2]	4
Delay Skew (ns), Limit 50	[Pair 1,2]	0
Resistance (ohms)	[Pair 1,2]	0.38
Insertion Loss Margin (dB)	[Pair 3,6]	47.6
Frequency (MHz)	[Pair 3,6]	482.0
Limit (dB)	[Pair 3,6]	48.3

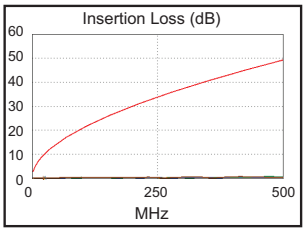
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	23.1	22.4	24.2	27.2
Freq. (MHz)	3.9	3.9	480.0	483.0
Limit (dB)	63.3	63.3	26.6	26.5
Worst Pair	3,6	3,6	4,5	4,5
PS NEXT (dB)	22.4	22.3	26.4	29.3
Freq. (MHz)	3.9	3.9	480.0	483.0
Limit (dB)	60.8	60.8	23.7	23.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	16.7	16.4	16.7	16.5
Freq. (MHz)	478.0	479.0	478.0	481.0
Limit (dB)	9.7	9.7	9.7	9.6
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	19.5	19.3	19.5	19.4
Freq. (MHz)	478.0	479.0	478.0	481.0
Limit (dB)	6.7	6.7	6.7	6.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	27.1	26.4	72.1	75.3
Freq. (MHz)	3.9	3.9	480.0	483.0
Limit (dB)	59.2	59.2	-21.6	-21.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	26.4	26.3	74.3	77.6
Freq. (MHz)	3.9	3.9	480.0	488.0
Limit (dB)	56.7	56.7	-24.5	-25.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	7.0	6.6	7.0	7.5
Freq. (MHz)	433.0	71.5	433.0	427.0
Limit (dB)	6.0	13.5	6.0	6.0

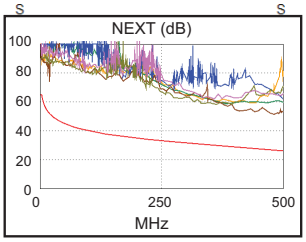
Compliant Network Standards:

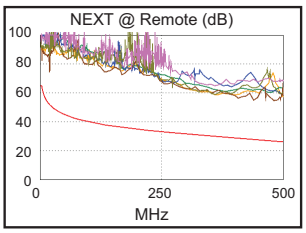
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

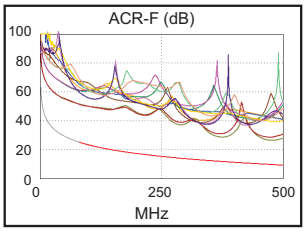


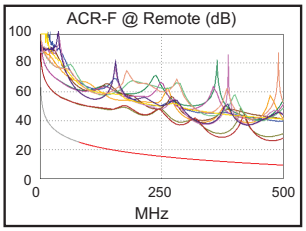


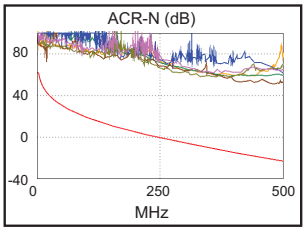


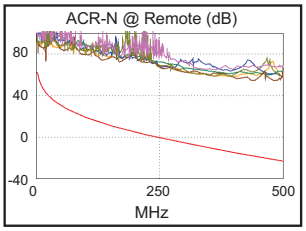


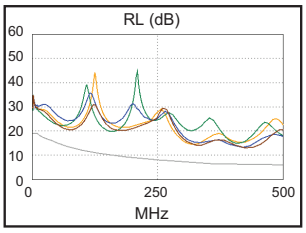


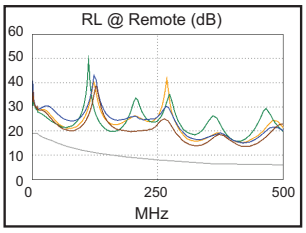












LinkWare™ PC Version 10.7

Project: DEFAULT
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FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 5

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:37:59 PM
Operator: VERTICAL TECH
Headroom 9.8 dB (NEXT 1,2-3,6)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

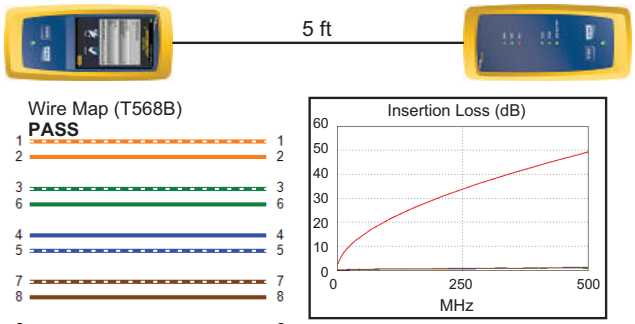
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

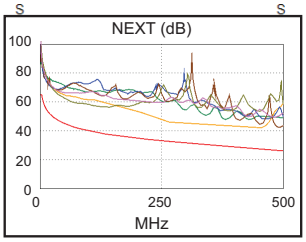
Length (ft), Limit 328	[Pair 1,2]	5
Prop. Delay (ns), Limit 555	[Pair 3,6]	7
Delay Skew (ns), Limit 50	[Pair 1,2]	0
Resistance (ohms)	[Pair 7,8]	0.66
Insertion Loss Margin (dB)	[Pair 3,6]	47.8
Frequency (MHz)	[Pair 3,6]	497.0
Limit (dB)	[Pair 3,6]	49.1

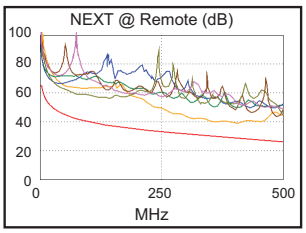
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
NEXT (dB)	9.9	9.8	10.9	10.5
Freq. (MHz)	357.0	360.0	407.0	407.0
Limit (dB)	30.1	30.0	28.5	28.5
Worst Pair	1,2	1,2	3,6	3,6
PS NEXT (dB)	12.6	12.3	13.0	12.7
Freq. (MHz)	354.0	360.0	407.0	404.0
Limit (dB)	27.2	27.0	25.6	25.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	12.6	12.4	12.6	12.4
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	9.3	9.3	9.3	9.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	15.3	15.1	15.3	15.1
Freq. (MHz)	500.0	500.0	500.0	500.0
Limit (dB)	6.3	6.3	6.3	6.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-4,5	1,2-3,6	1,2-3,6
ACR-N (dB)	23.8	22.9	53.9	53.5
Freq. (MHz)	3.9	3.9	407.0	407.0
Limit (dB)	59.2	59.2	-15.5	-15.5
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	23.6	22.6	56.1	55.9
Freq. (MHz)	3.9	3.9	407.0	406.0
Limit (dB)	56.7	56.7	-18.5	-18.4
N/A	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	4.9	4.4	7.4	7.4
Freq. (MHz)	41.0	40.3	469.0	399.0
Limit (dB)	15.9	16.0	6.0	6.0

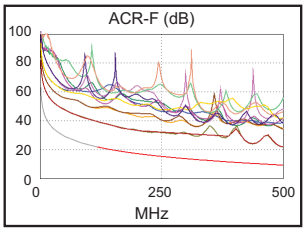
Compliant Network Standards:

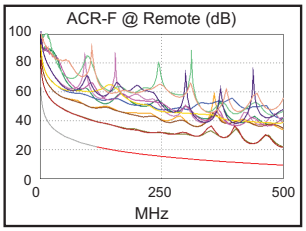
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

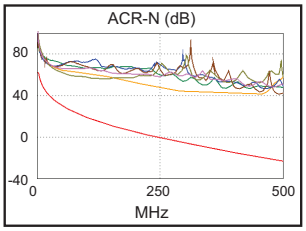


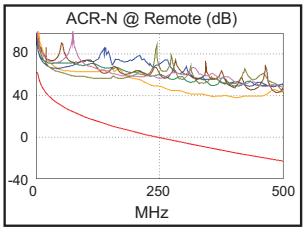


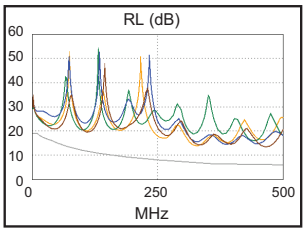


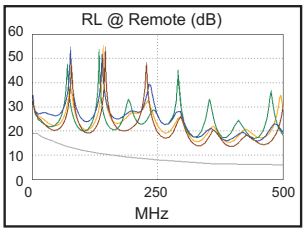












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Project: DEFAULT
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FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 7

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:39:13 PM
Operator: VERTICAL TECH
Headroom 15.7 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

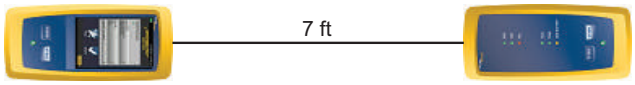
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

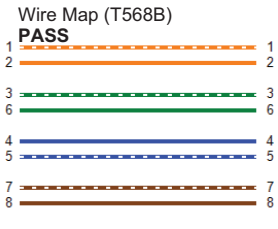
Length (ft), Limit 328	[Pair 1,2]	7
Prop. Delay (ns), Limit 555	[Pair 1,2]	10
Delay Skew (ns), Limit 50	[Pair 1,2]	0
Resistance (ohms)	[Pair 1,2]	0.99
Insertion Loss Margin (dB)	[Pair 3,6]	47.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

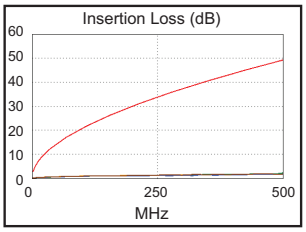
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	1,2-3,6
NEXT (dB)	15.7	15.8	15.7	17.1
Freq. (MHz)	375.0	380.0	375.0	474.0
Limit (dB)	29.5	29.3	29.5	26.7
Worst Pair	3,6	7,8	3,6	1,2
PS NEXT (dB)	17.3	16.6	20.3	19.0
Freq. (MHz)	374.0	10.6	486.0	474.0
Limit (dB)	26.6	53.6	23.6	23.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	16.4	16.1	17.3	16.8
Freq. (MHz)	402.0	402.0	451.0	451.0
Limit (dB)	11.2	11.2	10.2	10.2
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	19.2	18.8	20.1	19.3
Freq. (MHz)	402.0	402.0	451.0	453.0
Limit (dB)	8.2	8.2	7.2	7.1
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-3,6	1,2-3,6
ACR-N (dB)	21.5	22.4	66.2	63.3
Freq. (MHz)	3.4	3.1	492.0	474.0
Limit (dB)	60.4	61.1	-22.6	-21.2
Worst Pair	1,2	7,8	3,6	1,2
PS ACR-N (dB)	21.7	21.4	68.0	64.9
Freq. (MHz)	3.4	3.8	498.0	474.0
Limit (dB)	57.9	57.0	-25.9	-24.0
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	4,5	7,8
RL (dB)	8.1	7.7	11.0	10.5
Freq. (MHz)	10.0	10.0	352.0	381.0
Limit (dB)	19.0	19.0	6.5	6.2

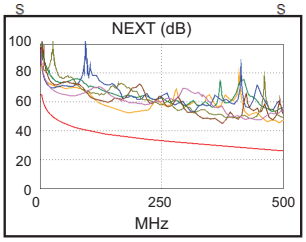
Compliant Network Standards:

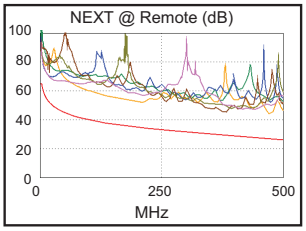
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

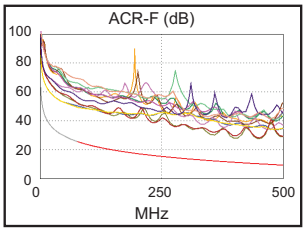


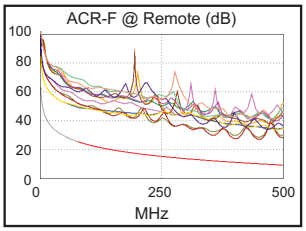


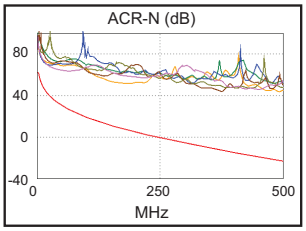


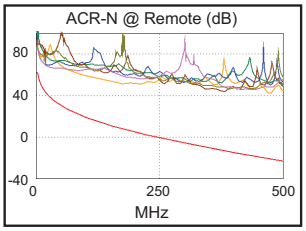


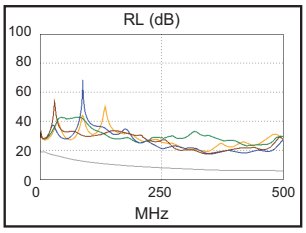


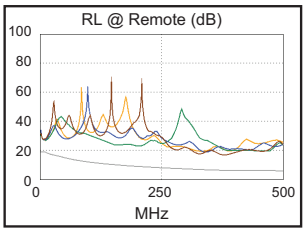












LinkWare™ PC Version 10.7

Project: DEFAULT
077 SLIM PATCH CABLES.flw

FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 10

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:40:15 PM
Operator: VERTICAL TECH
Headroom 10.2 dB (NEXT 1,2-3,6)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

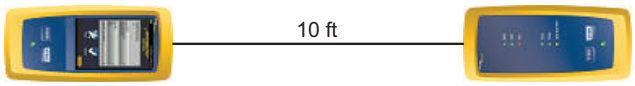
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

Length (ft), Limit 328	[Pair 1,2]	10
Prop. Delay (ns), Limit 555	[Pair 3,6]	15
Delay Skew (ns), Limit 50	[Pair 1,2]	0
Resistance (ohms)	[Pair 4,5]	1.26
Insertion Loss Margin (dB)	[Pair 7,8]	46.7
Frequency (MHz)	[Pair 7,8]	500.0
Limit (dB)	[Pair 7,8]	49.3

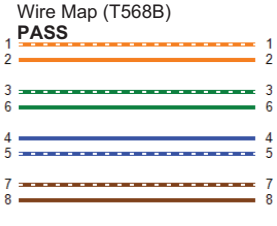
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-7,8	1,2-7,8
NEXT (dB)	10.2	10.6	11.2	12.5
Freq. (MHz)	117.0	120.0	431.0	435.0
Limit (dB)	38.8	38.6	27.9	27.7
Worst Pair	1,2	1,2	7,8	7,8
PS NEXT (dB)	12.1	12.5	13.1	13.8
Freq. (MHz)	14.1	134.5	432.0	434.0
Limit (dB)	51.5	34.9	24.9	24.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	16.0	16.1	16.0	16.2
Freq. (MHz)	483.0	484.0	483.0	485.0
Limit (dB)	9.6	9.6	9.6	9.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	18.3	18.7	18.6	18.7
Freq. (MHz)	448.0	484.0	483.0	484.0
Limit (dB)	7.2	6.6	6.6	6.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	1,2-7,8	1,2-7,8
ACR-N (dB)	15.6	16.8	54.6	55.9
Freq. (MHz)	4.0	7.8	432.0	435.0
Limit (dB)	58.9	52.7	-17.7	-18.0
Worst Pair	3,6	3,6	7,8	7,8
PS ACR-N (dB)	16.9	18.3	56.3	57.2
Freq. (MHz)	4.6	3.9	432.0	434.0
Limit (dB)	55.1	56.7	-20.6	-20.8
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	7,8
RL (dB)	3.7	3.7	9.3	9.1
Freq. (MHz)	9.9	10.6	396.0	402.0
Limit (dB)	19.0	18.9	6.0	6.0

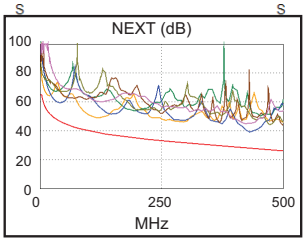
Compliant Network Standards:

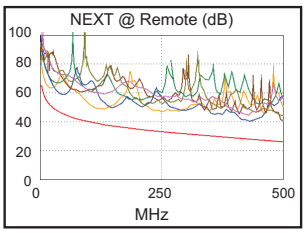
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

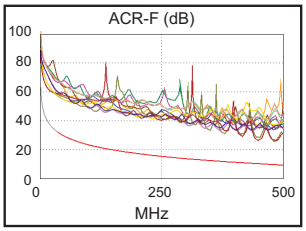


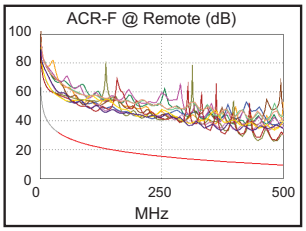
Wire Map (T568B)
PASS

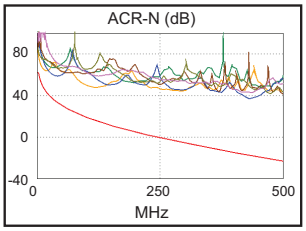


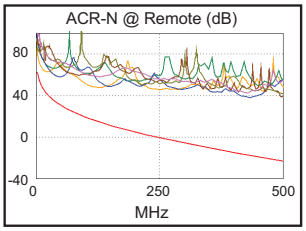


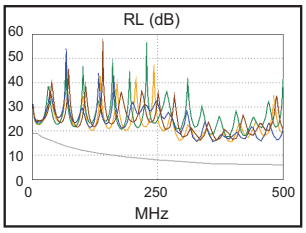


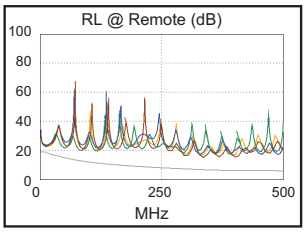












LinkWare™ PC Version 10.7

Project: DEFAULT
077 SLIM PATCH CABLES.flw

FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 14

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 02:41:49 PM
Operator: VERTICAL TECH
Headroom 6.1 dB (NEXT 1,2-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

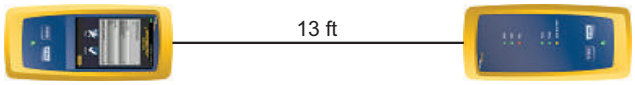
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

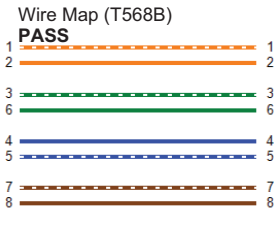
Length (ft), Limit 328	[Pair 7,8]	13
Prop. Delay (ns), Limit 555	[Pair 4,5]	21
Delay Skew (ns), Limit 50	[Pair 1,2]	1
Resistance (ohms)	[Pair 4,5]	1.73
Insertion Loss Margin (dB)	[Pair 1,2]	45.6
Frequency (MHz)	[Pair 1,2]	500.0
Limit (dB)	[Pair 1,2]	49.3

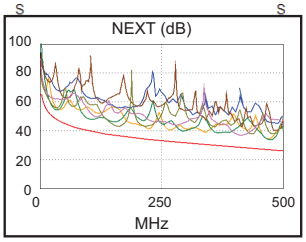
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-3,6	1,2-4,5	1,2-3,6
NEXT (dB)	6.1	6.5	6.8	6.6
Freq. (MHz)	30.6	469.0	474.0	471.0
Limit (dB)	48.6	26.9	26.7	26.8
Worst Pair	1,2	1,2	1,2	1,2
PS NEXT (dB)	6.8	7.2	7.1	7.4
Freq. (MHz)	34.0	303.0	474.0	472.0
Limit (dB)	45.1	28.7	23.8	23.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	10.3	10.2	11.2	11.1
Freq. (MHz)	384.0	384.0	481.0	480.0
Limit (dB)	11.6	11.6	9.6	9.6
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	13.2	13.2	14.4	14.2
Freq. (MHz)	384.0	384.0	500.0	500.0
Limit (dB)	8.6	8.6	6.3	6.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	1,2-4,5	1,2-3,6
ACR-N (dB)	12.2	11.1	51.3	50.9
Freq. (MHz)	3.3	3.1	474.0	471.0
Limit (dB)	60.7	61.1	-21.2	-20.9
Worst Pair	3,6	3,6	1,2	1,2
PS ACR-N (dB)	12.2	11.7	51.4	51.7
Freq. (MHz)	3.3	3.5	474.0	472.0
Limit (dB)	58.2	57.6	-24.0	-23.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	7.9	8.3	7.9	8.4
Freq. (MHz)	361.0	337.0	361.0	500.0
Limit (dB)	6.4	6.7	6.4	6.0

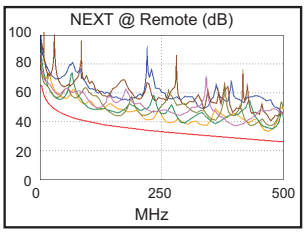
Compliant Network Standards:

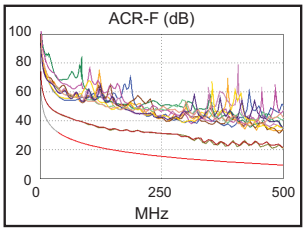
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

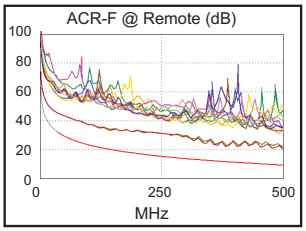


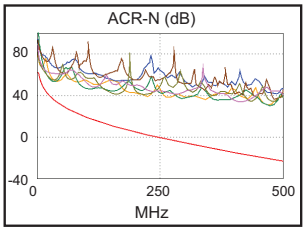


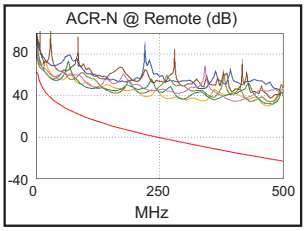


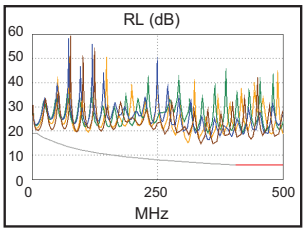


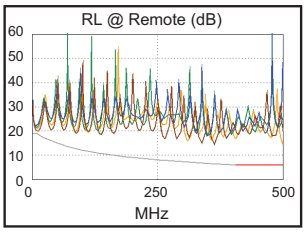












LinkWare™ PC Version 10.7

Project: DEFAULT
077 SLIM PATCH CABLES.flw

FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAT6A SLIM 077 25

Test Summary: PASS

Test Limit: TIA Cat 6A Channel
Limits Version: V7.5
Date / Time: 01/29/2021 04:04:53 PM
Operator: VERTICAL TECH
Headroom 11.2 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

Main: Versiv
S/N: 3676207
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000 (DSX-CHA004)
S/N: 3681012

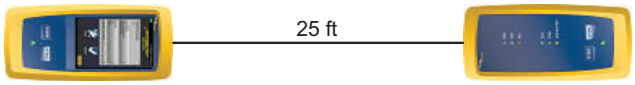
Remote: Versiv
S/N: 3687009
Software Version: V6.5 Build 5
Calibration Date: 01/26/2017
Adapter: DSX-5000R (DSX-CHA004)
S/N: 3681674

Length (ft), Limit 328	[Pair 7,8]	25
Prop. Delay (ns), Limit 555	[Pair 4,5]	38
Delay Skew (ns), Limit 50	[Pair 1,2]	1
Resistance (ohms)	[Pair 4,5]	3.03
Insertion Loss Margin (dB)	[Pair 3,6]	42.0
Frequency (MHz)	[Pair 3,6]	495.0
Limit (dB)	[Pair 3,6]	49.0

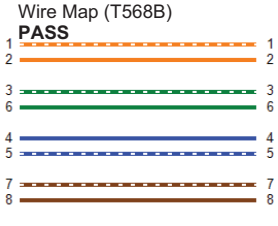
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	1,2-4,5	1,2-4,5
NEXT (dB)	11.2	11.6	13.2	14.0
Freq. (MHz)	69.8	143.5	404.0	445.0
Limit (dB)	42.6	37.3	28.6	27.5
Worst Pair	3,6	7,8	1,2	1,2
PS NEXT (dB)	12.8	12.1	13.7	14.9
Freq. (MHz)	69.8	143.5	404.0	445.0
Limit (dB)	39.8	34.4	25.7	24.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	16.8	17.0	17.1	17.0
Freq. (MHz)	444.0	444.0	500.0	500.0
Limit (dB)	10.3	10.3	9.3	9.3
Worst Pair	3,6	3,6	4,5	3,6
PS ACR-F (dB)	19.8	18.9	19.8	18.9
Freq. (MHz)	444.0	500.0	500.0	500.0
Limit (dB)	7.3	6.3	6.3	6.3
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-4,5	1,2-4,5
ACR-N (dB)	16.2	16.6	51.2	54.0
Freq. (MHz)	3.9	2.6	405.0	445.0
Limit (dB)	59.2	61.6	-15.4	-18.8
Worst Pair	3,6	3,6	1,2	1,2
PS ACR-N (dB)	16.8	16.4	51.8	55.0
Freq. (MHz)	3.5	2.6	404.0	445.0
Limit (dB)	57.6	58.6	-18.2	-21.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	12.7	11.5	12.7	11.5
Freq. (MHz)	500.0	270.0	500.0	270.0
Limit (dB)	6.0	7.7	6.0	7.7

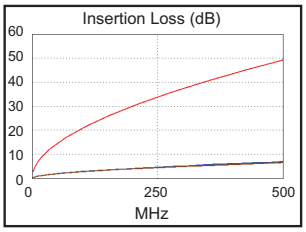
Compliant Network Standards:

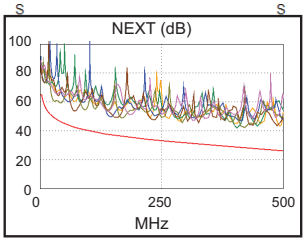
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

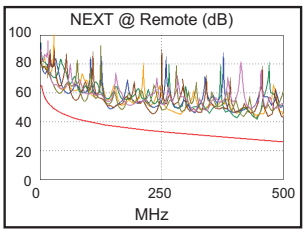


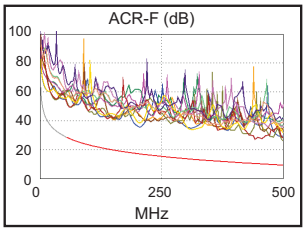
Wire Map (T568B)
PASS

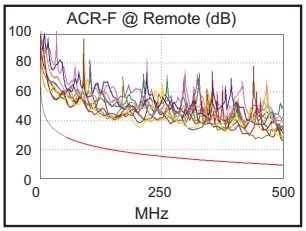


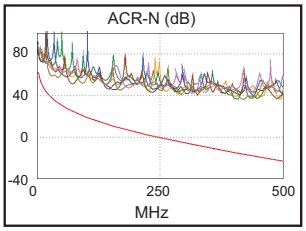


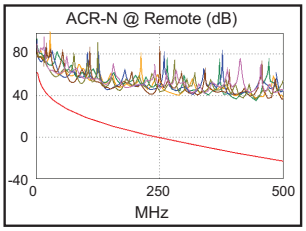


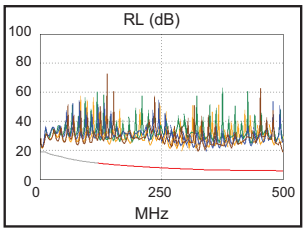


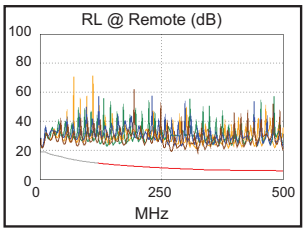












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Project: DEFAULT
077 SLIM PATCH CABLES.flw

FLUKE networks

Florida (HQ) 800-749-2447
California 951-696-7772
New York 845-391-8318
Texas 713-322-7242
verticalcable.com

This specification sheet is subject to change without notice.
RoHS
Rev. 10/2026

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: 077-2110/50BL

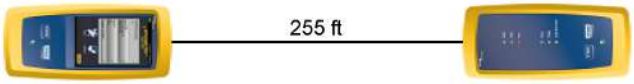
Test Summary: PASS

Test Limit: ISO11801 Channel Class Ea (+All)
Limits Version: V7.9
Date / Time: 09/23/2025 10:52:56 AM
Headroom 9.5 dB (NEXT 3,6-7,8)
Cable Type: Cat 6A U/UTP
NVP: 68.2%

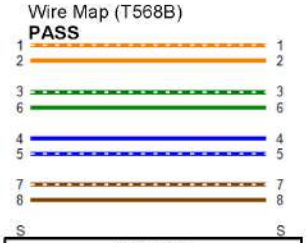
Main: Versiv
S/N: 1914097
Software Version: V6.11 Build 2
Calibration Date: 08/29/2020
Adapter: DSX-8000 (DSX-CHA004)
S/N: 23482001

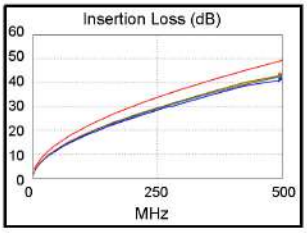
Remote: Versiv
S/N: 1914055
Software Version: V6.11 Build 2
Calibration Date: 08/29/2020
Adapter: DSX-8000R (DSX-CHA004)
S/N: 3773758

Length (ft), Limit 328	[Pair 4,5]	255
Prop. Delay (ns), Limit 555	[Pair 1,2]	394
Delay Skew (ns), Limit 50	[Pair 1,2]	14
Resistance (ohms), Limit 25.00	[Pair 7,8]	16.77
Resist. Unbal. (ohms), Limit 0.500	[Pair 3,6]	0.127
Resist. P2P Unbal. (ohms), Limit 0.580	[Pair 4,5-7,8]	0.065
Insertion Loss Margin (dB)	[Pair 7,8]	5.0
Frequency (MHz)	[Pair 7,8]	500.0
Limit (dB)	[Pair 7,8]	49.3

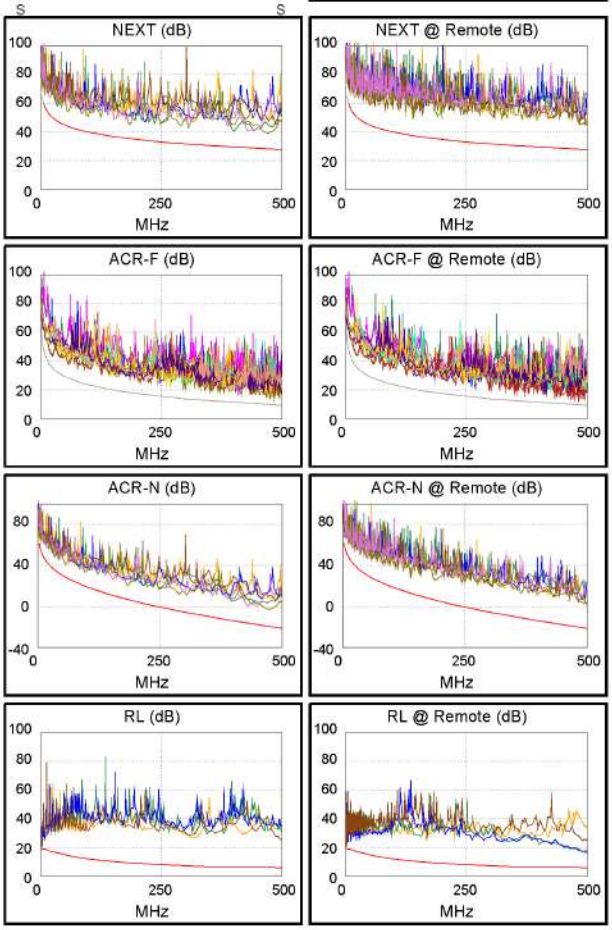


Wire Map (T568B)
PASS





	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
NEXT (dB)	9.5	12.3	9.9	16.7
Freq. (MHz)	184.0	7.5	467.0	500.0
Limit (dB)	35.4	58.6	28.4	27.9
Worst Pair	4,5	3,6	3,6	3,6
PS NEXT (dB)	10.7	12.6	12.2	16.4
Freq. (MHz)	35.0	7.4	474.0	500.0
Limit (dB)	44.9	56.2	25.3	24.8
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	3.9	3.2	3.9	3.2
Freq. (MHz)	482.0	482.0	482.0	482.0
Limit (dB)	9.6	9.6	9.6	9.6
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	6.9	5.5	6.9	5.5
Freq. (MHz)	482.0	482.0	482.0	482.0
Limit (dB)	6.6	6.6	6.6	6.6
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	3,6-7,8	3,6-7,8
ACR-N (dB)	10.2	12.1	15.0	21.7
Freq. (MHz)	3.9	4.0	474.0	500.0
Limit (dB)	59.2	58.9	-19.6	-21.4
Worst Pair	3,6	3,6	7,8	3,6
PS ACR-N (dB)	9.3	13.2	17.9	23.5
Freq. (MHz)	3.8	4.0	474.0	499.0
Limit (dB)	57.0	56.4	-22.6	-24.4
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	4,5	1,2	4,5
RL (dB)	5.1	6.0	5.1	10.6
Freq. (MHz)	3.4	4.4	3.4	496.0
Limit (dB)	19.0	19.0	19.0	6.0



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
10GBASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

LinkWare™ PC Version 11.4

Project: DEFAULT
Site: Not Set
Floor: Not Set
Rack: Not Set
2509418Y-1.flw

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks

LINKWARE™ PC
CABLE TEST MANAGEMENT SOFTWARE

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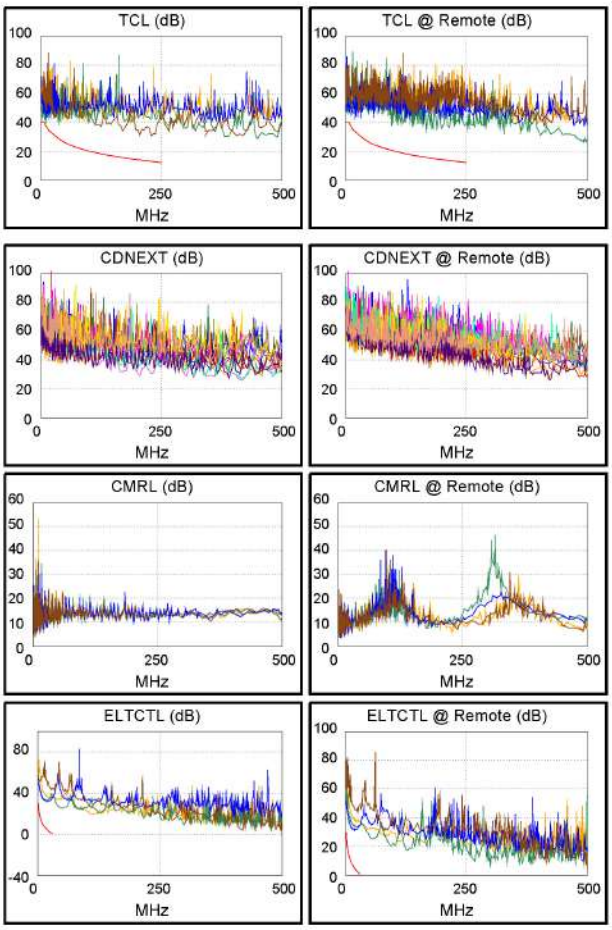
S/N: 23482001

Remote: Versiv
S/N: 1914055
Software Version: V6.11 Build 2
Calibration Date: 08/29/2020
Adapter: DSX-8000R (DSX-CHA004)
S/N: 3773758

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	7,8	3,6
TCL (dB)	3.1	6.3	17.6	19.4
Freq. (MHz)	3.9	4.1	230.0	167.0
Limit (dB)	40.0	40.0	13.1	15.8
N/A	MAIN	SR	MAIN	SR
Worst Pair			3,6-7,8	7,8-3,6
CDNEXT (dB)			25.3	26.2
Freq. (MHz)			415.0	422.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			1,2	1,2
CMRL (dB)			5.2	5.0
Freq. (MHz)			1.0	6.3
Limit (dB)				
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
ELTCTL (dB)	20.3	21.6	27.4	26.9
Freq. (MHz)	1.0	1.0	19.6	19.6
Limit (dB)	30.0	30.0	4.1	4.1



LinkWare™ PC Version 11.4

Project: DEFAULT
Site: Not Set
Floor: Not Set
Rack: Not Set
□□2509418Y-1.flw

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE networks