

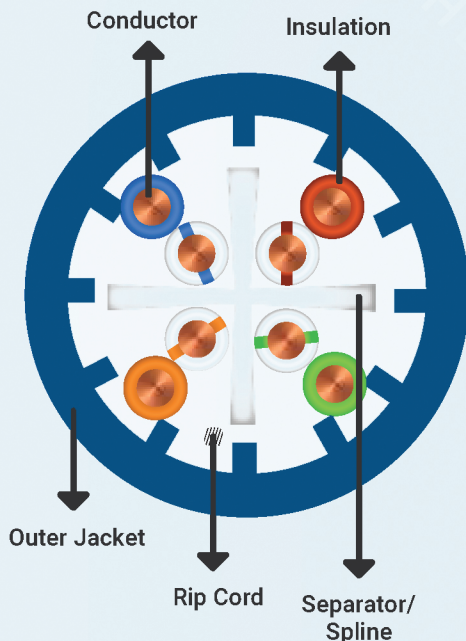
CAT6 AUGMENTED CABLE UTP RISER (CMR)

DESCRIPTION

- Category-6A, 23AWG, UTP.
- 8C Solid Bare Copper, 750MHz.
- Riser Rated (CMR), 1000ft.

FEATURES

- Category-6A (Augmented) (UTP) Cable
- 23AWG Solid Bare Copper Conductors
- High-Performance Data Cable
- Suitable for 10Gbps High-Speed Applications
- TIA/EIA 568C.2
- RoHS Compliant
- Supplied in 1000ft Wooden Spool



SPECIFICATION

Technical Data

Product Standard Certification	CMR (Riser)
Rated Voltage	30v
Rated Temperature	75°C
NVP	69%

Conductor

Insulation	PE
Size	23AWG

Construction

Divider (Pair Separator)	Yes
Ripcord	Yes

Outer Jacket

Material	PVC
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Color of Pairs

Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

Certifications

TIA/EIA 568C.2 Category 6A, 11801:2002 Category 6A, RoHS Compliant.

Applications Support

Supports all CAT6A applications including:

Ethernet 10 Gigabit, 100BASETX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422

Colors Available:



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PERFORMANCE CHART

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	PS ACR-F (dB/100m)	Delay (ns/100m)
1	20.0	2.1	74.3	73.3	64.8	570
4	23.0	3.8	65.3	64.3	52.8	552
8	24.5	5.3	60.8	59.8	46.7	547
10	25.0	5.9	59.3	58.3	44.8	545
16	25.0	7.5	56.2	55.2	40.7	543
20	25.0	8.4	54.8	53.8	38.8	542
25	24.3	9.4	53.3	52.3	36.8	541
31.25	23.6	10.5	51.9	50.9	34.9	540
62.5	21.5	15.0	47.4	46.4	28.9	539
100	20.1	19.1	44.3	43.8	24.8	538
200	18.0	27.6	39.8	38.8	18.8	537
250	17.3	31.1	38.3	37.8	16.8	536
300	16.8	34.3	37.1	36.1	15.3	536
350	16.3	37.2	36.1	35.1	13.9	536
400	15.9	40.1	35.3	34.3	12.8	536
450	15.5	42.7	34.5	35.5	11.7	536
500	15.2	45.3	33.8	32.8	10.8	536

CAT6 AUGMENTED CABLE UTP RISER (CMR)



Cable ID: 6ACMR U/UTP PD KSJ > UTP STD LB CAT6/6A RJ45

Test Limit: TIA Cat 6A MPTL (+PoE)

Limits Version: V7.5

Date / Time: 05/31/2021 11:21:53 AM

Operator: DON S

Headroom 7.8 dB (NEXT 3,6-7,8)

Cable Type: Cat 6A U/UTP

NVP: 69.1%

Main: Versiv

S/N: 1924100

Software Version: V6.5 Build 5

Calibration Date: 11/14/2020

Adapter: DSX-8000 (DSX-PLA804)

S/N: 4523168

Test Summary: PASS

Remote: Versiv

S/N: 1917273

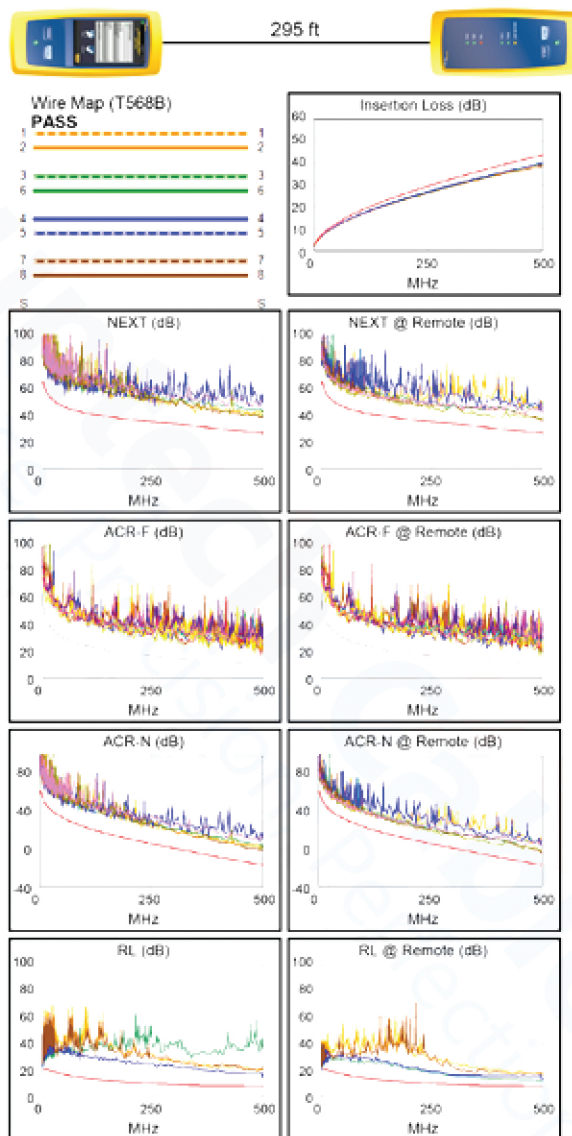
Software Version: V6.5 Build 5

Calibration Date: 11/14/2020

Adapter: DSX-8000R (DSX-PC6A)

S/N: 4716155

Length (ft), Limit 295	[Pair 7,8]	295
Prop. Delay (ns), Limit 498	[Pair 4,5]	462
Delay Skew (ns), Limit 44	[Pair 4,5]	28
Resistance (ohms)	[Pair 4,5]	13.15
Resist. Unbal. (ohms)	[Pair 1,2]	0.099
Resist. P2P Unbal. (ohms)	[Pair 4,5-7,8]	0.141
Insertion Loss Margin (dB)	[Pair 4,5]	3.4
Frequency (MHz)	[Pair 4,5]	498.0
Limit (dB)	[Pair 4,5]	43.6



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-7,8	3,6-4,5	3,6-4,5
NEXT (dB)	10.3	7.8	11.0	9.2
Freq. (MHz)	347.0	383.0	492.0	497.0
Limit (dB)	31.9	30.5	26.9	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	10.3	8.9	10.5	9.8
Freq. (MHz)	347.0	274.0	492.0	497.0
Limit (dB)	29.2	32.0	24.0	23.8
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)	7.7	8.0	7.7	8.0
Freq. (MHz)	492.0	492.0	492.0	492.0
Limit (dB)	10.4	10.4	10.4	10.4
Worst Pair	3,6	4,5	3,6	4,5
PS ACR-F (dB)	10.5	10.5	10.5	10.7
Freq. (MHz)	492.0	492.0	492.0	499.0
Limit (dB)	7.4	7.4	7.4	7.2
N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	3,6-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	12.7	11.2	15.2	12.7
Freq. (MHz)	51.8	187.0	498.0	497.0
Limit (dB)	33.7	12.3	-16.9	-16.9
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.4	11.5	14.0	13.7
Freq. (MHz)	347.0	168.0	492.0	497.0
Limit (dB)	-6.2	11.9	-19.3	-19.7
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	4,5	3,6
RL (dB)	6.1	3.8	6.5	3.8
Freq. (MHz)	3.8	479.0	499.0	479.0
Limit (dB)	21.0	8.0	8.0	8.0

Compliant Network Standards:

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

LinkWare™ PC Version 10.8.1

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