

CAT6A AUGMENTED CABLE RISER RATED (CMR)

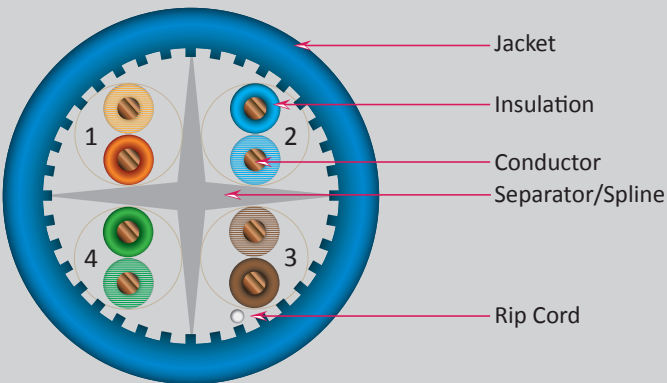


DESCRIPTION

Category-6A (Augmented) UTP, 23AWG Solid-Bare Copper.

FEATURES

- High-Performance Data Cable
- Suitable for 10Gb High-Speed Applications
- Designed for Indoor Installations (CMR)
- Category-6A (Augmented) (UTP) Cable
- 4-Pair – Easily Identified Color-Striped Pairs
- 23AWG Solid Bare Copper Conductors
- Exceeds ANSI EIA/TIA 568-C.2
- ETL Listed, RoHS Compliant
- Supplied in 1000ft Wooden Spool



SKU: 064 SERIES

Technical Data

Rated Temperature (°C)	70
Rated Voltage (V)	30
Product Standard Certification	CMR
Flammability Test	
NVP	69%

Conductor

Solid Bare Copper

Size 23 AWG

Diameter (mm) 0.585

Insulation

Average Thickness (mm) 0.268

Min. Point Thickness (mm) 0.245

Insulation Diameter (±0.005mm) 1.12

Twisted Pair Diameter (±0.01) 2.24

Separator

LDPE

Assembly Diameter 6.50

Jacket

Average Thickness (mm) 0.60

Min. Point Thickness (mm) 0.50

Outer Diameter (±0.10mm) 8.00

Rip Cord Yes

Color of Pairs

Pair 1 Blue,White-Blue

Pair 2 Orange,White-Orange

Pair 3 Green,White-Green

Pair 4 Brown,White-Brown

Mechanical Characteristics

Test Object Jacket

Test Material PVC

Before Tensile Strength (Mpa) ≥13.8

Aging Elongation (%) ≥100

Aging Condition (°Cxhrs) 100x168

After Tensile Strength (Mpa) ≥85% of unaged

Aging Elongation (%) ≥50% of unaged

Cold Bend (-20±2° Cx4hrs) No Crack

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMR UTP 4PR 23AWG 10GS
AUGMENTED CAT6A TIA/EIA-568-C.2 RoHS

Jacket Color Available in:

Black, Blue, Gray, Red, White, Yellow

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 09/2016

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±12
100-350MHz Impedance (Ohms)	100±15
350-750MHz Impedance (Ohms)	100±22
1.0-750MHz Delay Skew (ns/100m)	≤25
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Conductor DC Resistance 20°C (ohms/km)	≤93.8
Resistance Unbalance (%)	≤3

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (ns/100m)	TCL dB
1	20.00	2.1	74.3	40.0
4	23.0	3.8	65.3	40.0
8	24.5	5.3	60.8	40.0
10	25.0	5.9	59.3	40.0
16	25.0	7.5	56.2	38.0
20	25.0	8.4	54.8	
25	24.3	9.4	53.3	
31.25	23.6	10.5	51.9	
62.5	21.5	15.0	47.4	
100	20.1	19.1	44.3	
200	18	27.6	39.8	
250	17.3	31.1	38.3	
300	16.8	34.3	37.1	
400	15.9	40.1	35.3	
500	15.2	45.3	33.8	

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	Delay Max(ns/100m)
1	72.3	71.8	570.0
4	63.3	59.8	552.0
8	58.8	53.7	546.7
10	57.3	51.8	545.4
16	54.2	47.7	543.0
20	52.8	45.8	542.0
25	51.3	43.8	541.2
31.25	49.9	41.9	540.4
62.5	45.4	35.9	538.6
100	42.3	31.8	538.0
200	37.8	25.8	537
250	36.3	24.3	536
300	35.1	22.3	536
400	33.3	19.8	536
500	31.8	17.8	536

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