

CAT6A AUGMENTED CABLE RISER RATED (CMR)



SKU: 064 SERIES

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

Technical Data

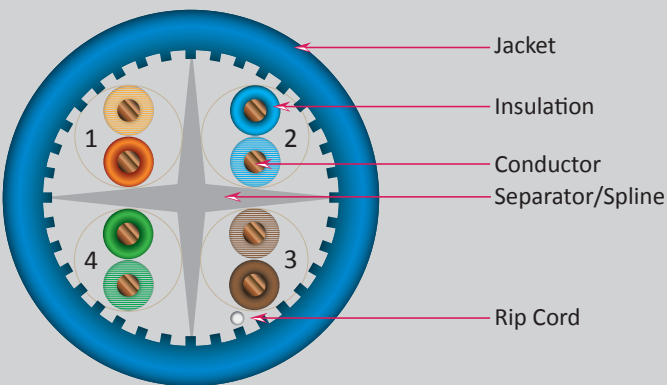
Rated Temperature (°C)	70
Rated Voltage (V)	30
Product Standard Certification	CMR
Flammability Test	
NVP	69%
Conductor	Solid Bare Copper
Size	23 AWG
Diameter	0.023 in (0.585 mm)
Insulation	PE
Average Thickness	0.011 in (0.268 mm)
Min. Point Thickness	0.01 in (0.245 mm)
Insulation Diameter	0.044 in (1.12 ±0.005 mm)
Twisted Pair Diameter	0.088 in (2.24 ±0.01 mm)
Separator	LDPE
Assembly Diameter	0.256 in (6.50 mm)
Jacket	PVC
Average Thickness	0.023 in (0.60 mm)
Min. Point Thickness	0.019 in (0.50 mm)
Outer Diameter	0.31 in (8.00 ±0.10mm)
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 (Check availability)



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.

CAT6A AUGMENTED CABLE RISER RATED (CMR)

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

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.