

CAT6A AUGMENTED CABLE RISER RATED (CMR)

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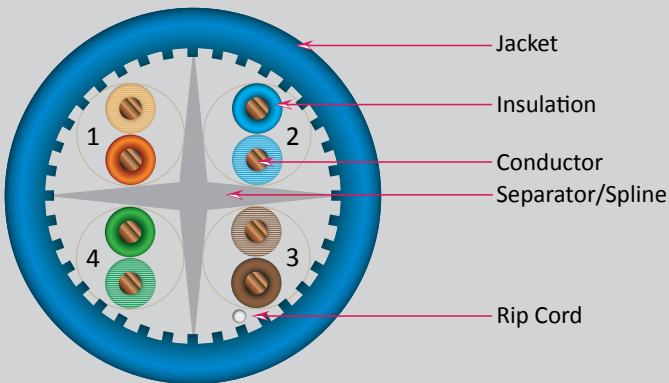
SKU: 064 SERIES

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

Size	Solid Bare Copper
Diameter (mm)	23 AWG

Insulation

Average Thickness (mm)	PE
Min. Point Thickness (mm)	0.268
Insulation Diameter (±0.005mm)	0.245
Twisted Pair Diameter (±0.01)	1.12
	2.24

Separator

Assembly Diameter	LDPE
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Jacket

Average Thickness (mm)	PVC
Min. Point Thickness (mm)	0.60
Outer Diameter (±0.10mm)	0.50
Rip Cord	8.00
	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



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Specs subject to change without notice.

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

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

