

CAT6A AUGMENTED CABLE UTP CMR (Riser-Rated)



064-400 & 064-600 SERIES

CONDUCTORS

Count:	8 conductors / 4 pairs
Gauge:	23 AWG
Diameter:	0.022 in. (0.57 mm ±0.01 mm)
Material:	Solid bare copper
DC Resistance:	≤75.6 Ohm/km
DC Resistance Unbalance:	≤5 %

CONDUCTOR INSULATION

Diameter:	0.04 in. (1.05 mm ±0.05 mm)
Thickness, Nominal:	0.01 in. (0.23 mm)
Material:	HDPE (high-density polyethylene)
Colors:	1. Blue 2. White-Blue 3. Orange 4. White-Orange 5. Green 6. White-Green 7. Brown 8. White-Brown

TWISTED PAIRS

Pair Bundle Twist Pitch:	3.7 in. (95 mm ±10 mm)
Pair Bundle OD:	0.21 in. (5.3 mm ±10 mm)
Colors:	1. Blue/White-Blue 2. Orange/White-Orange 3. Green/White-Green 4. Brown/White-Brown
Delay Skew:	≤45 ns/100 m
NVP:	69%
Characteristic Impedance:	100 Ohm ±15 Ohm (1–100 MHz) 100 Ohm ±22 Ohm (100–250 MHz) 100 Ohm ±25 Ohm (250–500 MHz)

CABLE JACKET

Outside Diameter:	0.29 in. (7.4 mm ±0.3 mm)
Thickness, Nominal:	0.02 in. (0.55 mm)
Point Thickness, Min.:	0.0196 in. (0.50 mm)
Material:	PVC (polyvinylchloride)
Colors:	Black, Blue, Green, Grey, Orange, Pink, Purple, Red, White, Yellow

PAIR SEPERATOR

Cross-type

RIP CORD

Yarn

MARKING

VERTICAL 4002107 cETLus VERIFIED CMR FT4 UTP 4PR 23AWG 10GS
AUGMENTED CAT6A ANSI/TIA-568.2-D RoHS

OPERATING TEMPERATURE

–20 °C–70 °C

COMPLIANCE

RoHS	RoHS
Voltage Rating:	30 V
Product Standard Certification:	CMR
Flammability Test	

WEIGHT

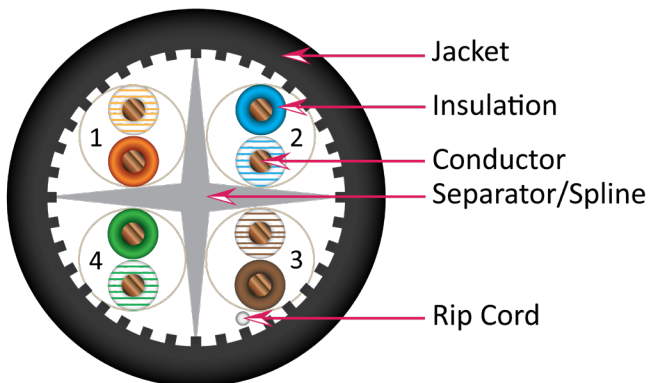
39 lbs. (17.69 kg)

DESCRIPTION

CAT6A UTP CMR (Riser-Rated)
23 AWG Solid Bare Copper, Wooden Spool,
1000 ft

FEATURES

- 23 AWG Bare Copper Conductors
- Unshielded Twisted-Pair (UTP) Construction
- Riser Fire Safety Rating (CMR)
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 Transmission Performance Specifications
- PoE compliant up to type 4 (IEEE 802.3bt)
- Suitable for 10 Gb High-Speed Applications
- ETL-Listed, RoHS-Compliant
- Designed in the USA, Imported Product



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



verticalcable.com

Rev. 02/2025

Subject to change without notice.

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PERFORMANCE

Permanent link transmission performance (at 20 ° C)

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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