

CAT6A AUGMENTED CABLE

U/UTP CMR (RISER-RATED)



VERTICAL CABLE

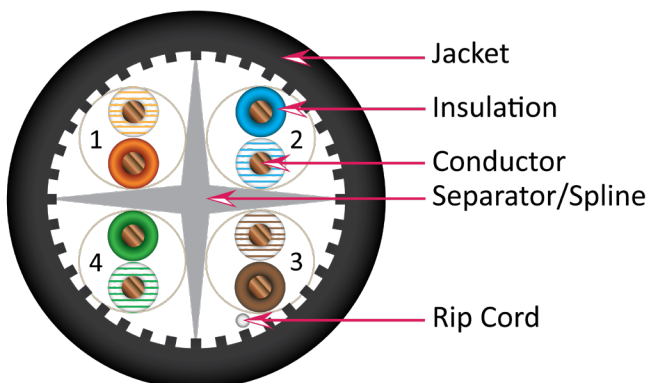
Simply Connect.

DESCRIPTION

CAT6A U/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-C.2&UL444 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



064-400s & 064-600s SERIES

CONDUCTORS

Count:	8 conductors / 4 pairs
Gauge:	23 AWG
Diameter:	0.022 in. (0.56 mm $\pm$ 0.01 mm)
Material:	Solid Bare Copper
DC Resistance:	$\leq$ 75.6 Ohm/km
DC Resistance Unbalance:	$\leq$ 5 %

CONDUCTOR INSULATION

Diameter:	0.04 in. (1.01 mm $\pm$ 0.05 mm)
Average Thickness:	0.01 in. (0.21 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 $\pm$ 10 mm)
Pair Bundle OD:	0.21 in. (5.3 mm $\pm$ 10 mm)
Colors:	1. Blue/White-Blue 2. Orange/White-Orange 3. Green/White-Green 4. Brown/White-Brown
Delay Skew:	$\leq$ 45 ns/100 m
NVP:	69%
Characteristic Impedance (Ohm):	100 Ohm $\pm$ 15 Ohm (1–100 MHz) 100 Ohm $\pm$ 22 Ohm (100–250 MHz) 100 Ohm $\pm$ 25 Ohm (250–500 MHz)

CABLE JACKET

Outside Diameter:	0.29 in. (7.4 mm $\pm$ 0.3 mm)
Average Thickness:	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

FILL MATERIAL

Cross-type

RIP CORD

Yes

MARKING

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

OPERATING TEMPERATURE

-20 °C ~ +75 °C

INSTALLATION TEMPERATURE

0 °C ~ +60 °C

COMPLIANCE

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

WEIGHT

39 lbs. (17.69 kg)

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York

713.322.7242 Texas



verticalcable.com

Rev. 06/2025

Subject to change without notice.

CAT6A AUGMENTED CABLE

UTP CMR (RISER-RATED)

PERFORMANCE

ELECTRICAL & PHYSICAL CHARACTERISTICS

Operating Temperature:	-20 °C ~ +75 °C
Installation Temperature:	0 °C ~ +60 °C
Compliance:	RoHS
Voltage Rating:	30 V
Flammability Test:	CMR

Permanent Link transmission performance (90M)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)	Return Loss (dB)	Delay (ns)
1.00	1.9	65.0	62.0	64.2	61.2	19.1	521
4.00	3.5	64.1	61.8	52.1	49.1	21.0	504
8.00	5.0	59.4	57.0	46.1	43.1	21.0	500
10.00	5.5	57.8	55.5	44.2	41.2	21.0	498
16.00	7.0	54.6	52.2	40.1	37.1	20.0	496
20.00	7.8	53.1	50.7	38.2	35.2	19.5	495
25.00	8.8	51.5	49.1	36.2	33.2	19.0	495
31.25	9.8	50.0	47.5	34.3	31.3	18.5	494
62.50	14.0	45.1	42.7	28.3	25.3	16.0	492
100.00	18.0	41.8	39.3	24.2	21.2	14.0	491
200.00	26.1	36.9	34.3	18.2	15.2	11.0	490
250.00	29.5	35.3	32.7	16.2	13.2	10.0	490
300.00	32.7	34.0	31.4	14.6	11.6	9.2	490
400.00	38.4	29.9	27.1	12.1	9.1	8.0	490
500.00	43.8	26.7	23.8	10.2	7.2	8.0	490
600.00	48.7	24.0	21.0	8.6	5.6	8.0	489
700.00	53.4	21.8	18.7	7.3	4.3	8.0	489
750.00	55.7	20.8	17.7	6.7	3.7	8.0	489

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