

# CAT6A AUGMENTED CABLE RISER RATED (CMR)

## 064-400 & 064-600 SERIES

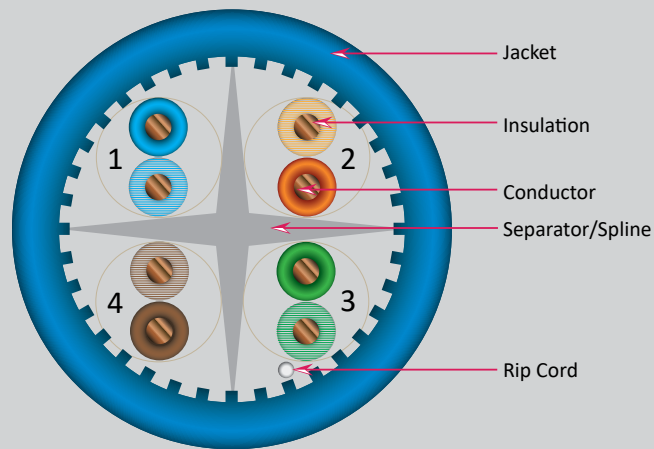


### DESCRIPTION

**CAT6A UTP CMR (Riser-Rated)  
23 AWG Solid Bare Copper**

### 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
- Packaging: Wooden Spool, 1000 ft
- Weight: 39 lb



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 ±0.3 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, minimum:	0.0196 in. (0.50 mm)	
	Material:	PVC (polyvinylchloride)	
	Colors:	Check Availability	
Pair separator:	Cross-type		
Rip-cord:	Yarn		
Jacket print:	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		

**VERTICAL CABLE**

951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York  
713.322.7242 Texas



[www.verticalcable.com](http://www.verticalcable.com)

Rev. 9/2024

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) with ridges

## PERFORMANCE

Voltage Rating  
Product Standard Certification  
Flammability Test

30 V  
CMR

Permanent link transmission performance (at 20 ° C)

Frequency MHz	Attenuation (dB/100m ) Max	RL (dB) Min	ACRF (dB) Min	PSACRF (dB) Min	NEXT loss (dB) Min	PS-NEXT (dB) Min
1.0	1.9	19.1	64.2	61.2	65.0	62.0
4.0	3.5	21.0	52.1	49.1	64.1	61.8
8.0	5.0	21.0	46.1	43.1	59.4	57.0
10.0	5.5	21.0	44.2	41.2	57.8	55.5
16.0	7.0	20.0	40.1	37.1	54.6	52.2
20.0	7.8	19.5	38.2	35.2	53.1	50.7
25.0	8.8	19.0	36.2	33.2	51.5	49.1
31.25	9.0	10.5	34.3	31.3	50.0	47.5
62.5	14.0	16.0	28.3	25.3	45.1	42.7
100.0	18.0	14.0	24.2	21.2	41.8	39.3
200.0	26.1	11.0	18.2	15.2	36.9	34.3
250.0	29.5	10.0	16.2	13.2	35.3	32.7
300.0	32.7	9.2	14.6	11.6	34.0	31.4
400.0	38.4	8.0	12.1	9.1	29.9	27.1
500.0	43.8	8.0	10.2	7.2	26.7	23.8

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