

CAT6A CABLE CMR UTP

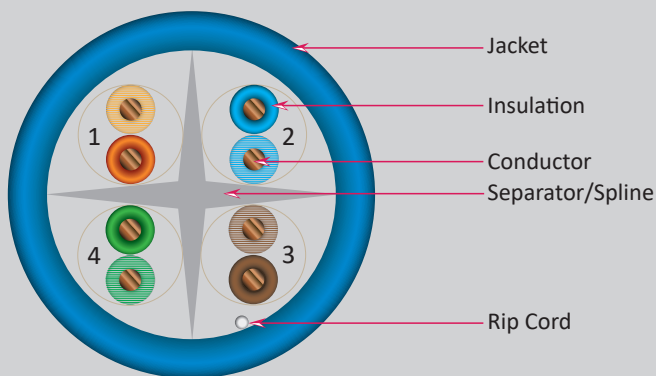


DESCRIPTION

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

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
- Suitable for 10 Gb High-Speed Applications
- ETL-Listed, RoHS-Compliant
- Designed in the USA, Imported Product
- Packaging: Wooden Spool, 1000 ft
- Weight: 41 lb



064-200 Series

Technical Data

Rated Temperature	-20~75 ° C
Storage Temperature Range	5~50 ° C
Installation Temperature Range	-20~75 ° C
Operating Temperature Range	
Voltage Rating	30 V
Product Standard Certification	CMR
Flammability Test	
NVP nom.	69%

Conductor

Size	Annealed Bare Copper
Diameter	23 AWG 0.022 in. (≥0.56 mm ±0.01)

Insulation

Average Thickness	HDPE 0.01 in. (0.23 mm)
Min. Point Thickness	0.009 in. (0.245 mm)
Insulation Diameter Separator	0.041 in. (1.05 mm ± 0.05) LDPE

Jacket

Average Thickness	PVC 0.022 in. (0.55 mm)
Min. Point Thickness	0.02 in. (0.50 mm)
Outer Diameter Rip Cord	0.3 in. (7.9 mm ± 0.3) 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 (° C x hrs)	100x168
After: Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-20 ± 2 ° C x 4 hrs)	No Crack

Marking on Jacket

VERTICAL CABLE c(ETL)us 5006092 CMR 75C UTP 4 PR 23AWG 550MHZ
10GS AUGMENTED CAT6A ANSI/TIA-568.2-D RoHS V2034P12790 XXXXFT

Jacket Color Available in:

Black, Blue, Gray, Green, Red, White, Yellow, Orange (check availability)

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



verticalcable.com

Rev. 07/2022

Specs subject to change without notice.

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

CAT6A CABLE CMR UTP

PERFORMANCE

Electrical Characteristics:

1.0-250MHz Impedance (Ohms)	100 ± 15%
250-500MHz Impedance (Ohms)	100 ± 25%
D.C. resistance conductor	≤9.5 Ω/100 m
Delay Skew	≤45 ns/100 m
Resistance Unbalance (%)	≤2%
Insulation resistance	≥ 5000 MΩ km
Mutual capacitance	<5.6 nF/100 m
Capacitance unbalance	<160 pF/100 m
Nominal velocity of propagation	64%

Permanent link transmission performance (at 20 ° C)

Frequency (MHz)	Insertion loss	NEXT	NEXT PS	ACR PS	ACR F	ACR F PS	Return Loss	Delay	ANEXT PS	AACRF PS
1	2.1	74.3	73.3	71.2	67.8	64.8	20.0	570	67.0	67.0
4	3.8	65.3	64.3	60.5	55.8	52.8	23.0	552	67.0	66.2
8	5.3	60.8	59.8	54.4	49.7	46.7	24.5	547	67.0	60.1
10	5.9	59.3	58.3	52.4	47.8	44.8	25.0	545	67.0	58.2
16	7.5	56.2	55.2	47.8	43.7	40.7	25.0	543	67.0	54.1
20	8.4	54.8	53.8	45.4	41.8	38.8	25.0	542	67.0	52.2
25	9.4	53.3	52.3	43.0	39.8	36.8	24.3	541	67.0	50.2
31.25	10.5	51.9	50.9	40.4	37.9	34.9	23.6	540	67.0	48.3
62.5	15.0	47.4	46.4	31.4	31.9	28.9	21.5	539	65.6	42.3
100	19.1	44.3	43.8	24.2	27.8	24.8	20.1	538	62.5	38.2
200	27.6	39.8	38.8	11.2	21.8	18.8	18.0	537	58.0	32.2
250	31.1	38.3	37.8	6.3	19.8	16.8	17.3	536	56.5	30.2
300	34.3	37.1	36.1	1.9	18.3	15.3	16.8	536	55.3	28.7
350	37.2	36.1	35.1		16.9	13.9	16.3	536	54.3	27.3
400	40.1	35.3	34.3		15.8	12.8	15.9	536	53.5	26.2
450	42.7	34.5	35.5		14.7	11.7	15.5	536	52.7	25.1
500	45.3	33.8	32.8		13.8	10.8	15.2	536	52.0	24.2

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.