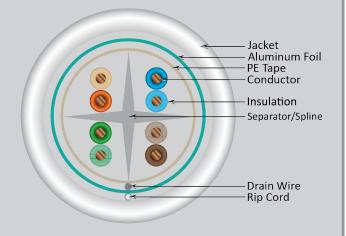


DESCRIPTION

CAT6A, 23 AWG, F/UTP (SHIELDED) Solid Bare Copper, Plenum-Rated, 1000 ft Spool

FEATURES

- 23 AWG Bare Copper Conductors
- Shielded Twisted-Pair (F/UTP) Construction
- Plenum Fire Safety Rating (CMP)
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Exceeds ANSI/TIA-568C.2 and ISO/IEC 11801
 Transmission Performance Specifications
- Supports PoE++ type 4
- Supports High-Speed Data Applications including Ethernet 10 Gigabit, 100 BASE TX, 100BaseVG AnyLan, 155ATM, 622ATM, NTSC/PAL, Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422
- ETL-Listed, RoHS-Compliant
- Packaging: 1000 ft Wooden Spool 15 in. x 11.5 in.
- Weight: 48.4 lb



CAT6A CMP F/UTP PLENUM-RATED SHIELDED

SKU: 165-500 SERIES

Part Number	Description
165-500/A/PS/BK	CAT6A, Solid F/UTP, 23 AWG, Plenum, Black
165-501/A/PS/BL	CAT6A, Solid F/UTP, 23 AWG, Plenum, Blue
165-502/A/PS/GR	CAT6A, Solid F/UTP, 23 AWG, Plenum, Green
165-508/A/PS/WH	CAT6A, Solid F/UTP, 23 AWG, Plenum, White
165-509/A/PS/YL	CAT6A, Solid F/UTP, 23 AWG, Plenum, Yellow

Technical Data

Product Standard Certification

CMP

Conductor

Solid Bare Copper

Size

23 AWG 0.023 in. (0.585 ±0.006 mm)

Insulation SAMP® FEP

Outer Diameter 0.043 in. (1.10 ±0.05 mm)

Construction

Tape Drain Wire

Shield (100% coverage with 25% overlapping)

Divider (Pair Separator)

Ripcord

PE Tape (20/0.025 mm) 24 AWG Solid Tin Copper Aluminum/Poly Tape

Yes, SAMP® LSZH CROSSWEB

Yes. Kevlar®

Jacket

Outer Diameter Nom. Thickness

Plenum PVC

0.291 in. ±0.012 (7.4 ±0.3 mm)

0.0197 in. (0.50 mm)

Color of Pairs

Pair 1 Pair 2

Pair 3

Pair 4

Brown, White-Brown Blue, White-Blue Orange, White-Orange Green, White-Green

Electrical Characteristics

Rated Temperature (°C)

Voltage Rating 300 Capacitance 5.6i

Velocity of Propagation (VPN)

Max. Conductor D.C.R.

Max. D.C.R. Unbalance

75°C 300 V

5.6nF/100m Nominal

≥67 %

9.38Ω/100m Nominal

≤5%

VERTICAL CABLE

951.696.7772 California 800.749.2447 Florida 845.391.8318 New York 713.322.7242 Houston



CAT6A CMP F/UTP PLENUM-RATED SHIELDED

Characteristic Impedance

1 MHz - 100 MHz 101 MHz - 250 MHz 250 MHz - 500 MHz 100 ± 22% 100 ± 25%

Ratings

NEC Article 800, UL 444 Type CMP Rating FT6, ETL verified to ANSI/TIA-568C.2, C(ETL)US, RoHS Compliant.

Marking on Jacket

2127105 4PR 23AWG SOLID CAT6A 500MHz FTP CMP 5011596(ETL) C(ETL) --- ETL VERIFIED TO ANSI/TIA 568C.2 ROHS COMPLIANT XXXXFT

PERFORMANCE

Frequency	Attenuation	NEXT	ACRF	PS.NEXT	PS.ACRF	RL	Delay	Skew
(MHz)	(dB/100m)	(dB)	(dB/)	(dB)	(dB)	(dB)	(ns/100m)	(ns/100m)
1	2.1	74.3	67.8	72.3	64.8	20.0	570	
4	3.8	65.3	55.8	63.3	52.8	23.0	552	
8	5.3	60.8	49.7	58.8	46.7	24.5	547	1
10	5.9	59.3	47.8	57.3	44.8	25.0	545]
16	7.5	56.2	43.7	54.2	40.7	25.0	543]
20	8.4	54.8	41.8	52.8	38.8	25.0	542	1
25	9.4	53.3	39.8	51.3	36.8	24.3	541]
31.25	10.5	51.9	37.9	49.9	34.9	23.6	540	45
62.5	15.0	47.4	31.9	45.4	28.9	21.5	539]
100	19.1	44.3	27.8	42.3	24.8	20.1	538	1
200	27.6	39.8	21.8	37.8	18.8	18.0	537]
250	31.1	38.3	19.8	36.3	16.8	17.3	536	
300	34.3	37.1	18.3	35.1	15.3	16.8	536]
400	40.1	35.3	15.8	33.3	12.8	15.9	536	
500	45.3	33.8	13.8	31.8	10.8	15.2	536	

VERTICAL CABLE



