

CAT6 HIGH GRADE CABLE

STP PLENUM (SHIELDED)

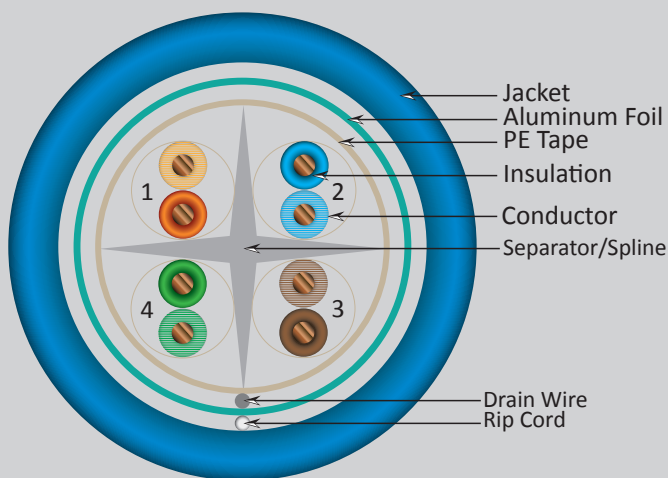


DESCRIPTION

Category-6, 23AWG, STP, 8C Solid Bare Copper, 550MHz, Plenum Rated, 1000ft.

FEATURES

- High-Performance Category-6 Data Cable
- 23AWG Solid Bare Copper Conductors
- Shielded Twisted Pair (Overall Shield)
- 550MHz Bandwidth for Data Applications
- Exceeds TIA/EIA 568-C.2, ISO/IEC-11801
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



SKU: 068 SERIES

Technical Data

Product Standard Certification

NVP

Conductor

Size

Construction

Tape

Drain Wire

Shield (100% Coverage)

Divider (Pair Separator)

Jacket

Outer Diameter

CMP

72%

Solid Bare Copper

23 AWG

Clear Mylar Tape

Solid Tin Copper

AL/Poly Tape

Yes

FR-PVC

0.305 in. (7.747mm)

Color of Pairs

Pair 1

Pair 2

Pair 3

Pair 4

Blue,White-Blue

Orange,White-Orange

Green,White-Green

Brown,White-Brown

Mechanical Characteristics

Rated Temperature (°C)

Mutual Capacitance

Impedance ($\pm 15\%$)

Velocity of Propagation (VPN)

Capacitance Unbalance

Max. Conductor D.C.R.

Max. D.C.R. Unbalance

Max. Delay Skew

-2°C to 60°C

14 pF/ft Nominal

100

72 %

330 pF/ft maximum

28.6Ω/1,000 ft

5%

45 ns/100m

Characteristic Impedance

0.772 MHz - 100 MHz 100 \pm 15%

100 MHz - 250 MHz 100 \pm 22%

251 MHz - 550 MHz 100 \pm 32%

Ratings

NEC Article 800, UL 444 Type CMP Rating FT6, ETL verified to ANSI/TIA/EIA 568C.2 Category 6, C (ETL)US, RoHS Compliant.

Marking on Jacket

ELT VERIFIED CAT6 TO TIA.568C.2...3122598 CMP 23AWG 4 STP C

<ELT>US 550 MHZ FT6 MADE IN USA (37616)

SEQUENTIAL FOOT MARKERS

Jacket available in Blue, Gray, White, Yellow, Black, Green
Additional colors available as special order

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.

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PERFORMANCE

ELECTRICAL CHARACTERISTICS

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB	dB(100m)	dB	dB	dB	dB	dB	dB
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8	78.3	76.3
4	23.0	3.8	71.3	69.3	61.8	58.8	67.5	65.5
10	25.0	6.0	65.3	63.3	53.8	50.8	59.3	57.3
16	25.0	7.6	62.2	60.2	49.7	46.7	54.6	52.6
20	25.0	8.5	60.8	58.8	47.8	44.8	52.3	50.3
31.25	23.6	10.7	57.9	55.9	43.9	40.9	47.2	45.2
62.5	21.5	15.4	53.4	51.4	37.9	34.9	38.0	36.0
100	20.1	19.8	50.3	48.3	33.8	30.8	30.5	28.5
200	18.0	29.0	45.8	43.8	27.8	24.8	16.8	14.9
250	17.3	32.8	44.3	42.3	25.8	22.8	11.5	9.5
300	16.8	36.4	43.1	41.1	24.3	21.3	---	---
350	16.3	39.8	42.1	40.1	22.9	19.9	---	---
400	15.9	43.0	41.3	39.3	21.8	18.8	---	---
500	14.8	49.5	40.2	38.2	20.0	17.0	---	---
550	14.4	53.1	39.5	37.5	18.9	15.9	---	---

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