

CAT6 PLENUM 550MHz

MADE IN USA

DESCRIPTION

Category-6, CMP Rated, Made in USA, 23AWG, UTP, 8C Solid Bare Copper, 550MHz, 1000ft

FEATURES

- High-Performance Category-6 Data Cable
- 550Mhz Bandwidth for Data Applications
- Unshielded Twisted Pair (UTP) Cable
- 23AWG Solid Bare Copper Conductors
- Easily Identified Color-Striped Pairs
- CMP Rated (Plenum)
- ETL Listed, TIA/EIA568-C.2
- 1000FT Pull Box
- MADE IN USA

SKU: 166 SERIES

Technical Data

NVP	72%
Conductor	23AWG Solid Bare Copper
Diameter	.0226" / .573 mm nom.
Number	8(4 Pair)
Insulation	FEP
Thickness	0.008" (0.203mm)
Color of Pairs	
Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

Jacket

Outer Diameter	0.220" Nom. (5.5858 mm)
Rip Cord	Yes

Jacket Print:

VERTICAL CABLE 410346 CAT6 CMP 23 AWG 4P
550 MHz c(ETL)us VERIFIED TO TIA-568C.2 MADE IN USA [PO#] ROHS
COMPLIANT XXXXFT

Electrical & Environmental Properties

Compliance:

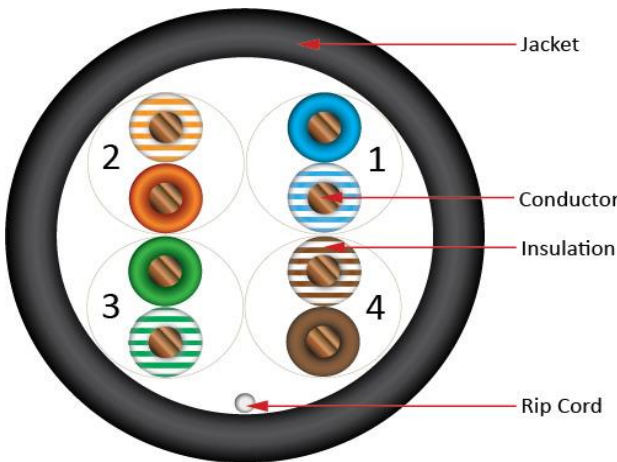
c(ETL)us, TIA/EIA568-C.2	
Safety Listing Standard	UL 444
Operating Temperature	-20°C to 75°C
Operating Voltage Rating (V RMS)	300
DC Resistance per Conductor @20°C (Ω)	93.8
Mutual Capacitance (nF/100m Max)	5.6
Resistance Unbalance Max (%)	5
Capacitance Unbalance Max (pF/100m)	330
Normal Impedance (±15%)(Ω)	100
Weight (lb/1000ft)	30
Max Recommended Pull Tension (lb)	25
Min Bend Radius (in)	0.75

Applications

ANSI X3T9.5 TP-PMD (FDDE), ATM PMD 155 Mbps IEEE 802.3 FAST
Ethernet :10 Base-T, 100 Base-T4, 100 Base-X IEEE 802.5 :4/16 Mbps Token
Ring , IEEE 802.12 :100 Base-VG

Jacket color available in

Black, Blue, Green, Gray, Orange, Pink, Purple, Red, White, Yellow





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PERFORMANCE

Frequency MHz	Return Loss dB	Attenuation dB/100m	NEXT dB
1	21.0	2.0	74.30
4	23.4	3.8	65.27
8	24.6	5.4	60.75
10	25.0	6.0	59.30
16	25.0	7.7	56.24
20	25.0	8.6	54.78
25	24.3	9.6	53.33
31.25	23.6	10.8	51.88
62.5	21.5	15.7	47.36
100	20.1	20.2	44.30
200	18.0	29.8	39.78
250	17.3	33.8	38.33
300	16.8	34.9	37.10
350	16.3	36.3	36.10
400	15.9	39.6	35.30
500	15.2	45.4	33.30
550	14.9	48.3	33.20

Frequency Mhz	PSNext dB	FEXT dB/100m	PSELFEXT dB/100m
0.772	72.30	67.8	64.8
1	63.27	55.7	52.7
4	58.75	49.7	46.7
8	57.30	47.8	44.8
10	54.24	43.7	40.7
16	52.78	41.7	38.7
20	51.33	38.8	36.8
25	49.88	37.9	34.9
31.25	45.36	31.8	28.8
62.5	42.30	27.8	24.8
100	37.78	21.7	18.7
200	36.33	19.8	16.8
250	35.10	18.3	15.3
350	34.10	16.9	13.9
400	33.30	15.8	12.8
500	31.80	13.8	10.8
550	31.20	13.0	10.0



website: www.fastercables.com

phone: 866-954-8844



Specs subject to change with no notice

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

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