

CAT6 HIGH GRADE 250MHz

UTP PLENUM (SPLINE-LESS)

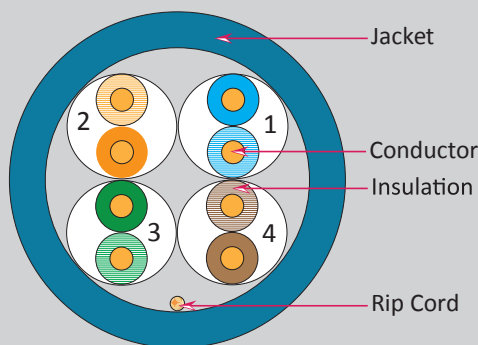
TAA COMPLIANT

DESCRIPTION

Category-6, 24AWG, UTP, 8C Solid Bare Copper, 250MHz, CMP Rated.

FEATURES

- High-Performance Data Cable
- Suitable for High-Speed Data Applications
- Easily Identified Color-Striped Pairs
- Unshielded Twisted Pair (UTP) Cable
- Solid Bare Copper Conductors
- Exceeds ANSI/TIA 568-C.2
- Excellent Attenuation and Crosstalk
- UL Listed CMP, TAA Compliant
- 1000ft Pull Box



Construction

Conductor	Solid Bare Copper
AWG	24 (0.525mm)
Insulation	FEP
Thickness	0.205mm
Jacket	FR-PVC
Color	Blue
Outer Diameter	5.2mm
Separator (Divider)	No (Spline-less)
Rip Cord	Yes

Color of Pairs

Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

Electrical Characteristics

ANSI/TIA 568-C.2

Standards

ANSI/TIA-568-C.2 Category 6
UL Listed CMP

Applications

High Speed Horizontal Cabling
100 Mbps TPDDI, 1000 Base T, 622 Mbps ATM
IEEE802.3/IEEE802.5, 10 Base-T, 100 Base-T4,
1000 Base-X, 100 Base-VG, Gigabit Ethernet

Jacket Printing

VERTICAL CABLE E191267 (UL)c(UL) CMP FT6 75C 24 AWG 4PR -
ETL VERIFIED CAT6 ANSI/TIA 568-C.2 ROHS COMPLIANT XXXFT



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PERFORMANCE

Electrical Characteristics:

Conductor Resistance	:93.8 Ω /100m 20° C Max
Mutual Capacitance	:5.6 nF/100m Max
Resistance Unbalance	:5% Max
Capacitance Unbalance	:330 pF/100m Max

Frequency (MHz)	Attenuation Max dB/100m	Return Loss Min. dB/100m	NEXT Min. dB/100m
1	2.0	20.0	74.3
4	3.8	23.0	65.3
8	5.3	24.5	60.8
10	6.0	25.0	59.3
16	7.6	25.0	56.2
20	8.5	25.0	54.8
25	9.5	24.3	53.3
31.25	10.7	23.6	51.9
62.5	15.4	21.5	47.4
100	19.8	20.1	44.3
200	29.0	18.0	39.8
250	32.8	17.3	38.3

Frequency (MHz)	P.S NEXT Min. dB/100m	ACRF Min. dB/100m	P.S ACRF Min. dB/100m
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	51.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8