

CAT6 HIGH GRADE 550MHz UTP CMR RATED



DESCRIPTION

Category-6, 23AWG, UTP, 8C Solid Copper, 550MHz, Riser Rated, PVC Jacket 1000ft.

FEATURES

- High-Performance Data Cable
- 550MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-6 Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 23AWG Solid Bare Copper Conductors
- Exceeds EIA/TIA 568-B.2-1, ISO/IEC-11801
- Riser Rated (CMR)
- 1000ft Pull Box



Dimensions 16.5H x 16.5L x 8.5W (inches)
45pcs per pallet
(Packaging may vary)

SKU: 060 SERIES

Technical Data

Rated Temperature (°C)	70
Product Standard Certification	CMR
Application	Horizontal Wiring in LAN
Conductor	Solid Bare Copper

Size 23AWG

Insulation

	PE
Average Thickness (mm)	0.22
Min. Point Thickness (mm)	0.19
Insulation Diameter (±0.005mm)	1.01
Twisted Pair Diameter (±0.01)	2.02

Separator

Assembly Diameter 5.00

Jacket PVC

Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.50
Outer Diameter (±0.10mm)	6.20
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

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMR UTP 4PR 23AWG
CAT6 550MHz TIA/EIA-568B.2-1 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
Blue, Black, White, Green, Gray, Red, Yellow, Orange

VERTICAL CABLE

954 454-3554 Florida Office
951 696-7772 California Office



www.verticalcable.com

Rev. 09/2011
Subject to change without notice.

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PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±15
100-250MHz Impedance (Ohms)	100±25
250-550MHz Impedance (Ohms)	100±35
1.0-250MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	95
Resistance Unbalance (%)	<=5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (ns/100m)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3
350	16.3	39.8	36.1
450	15.5	46.0	34.5
550	14.9	51.7	33.2

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	Delay Max(ns/100m)
0.772	74.0	70.0	-----
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.3	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.4	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0
350	34.1	17.1	
450	32.5	15.2	
550	31.2	13.2	

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