

CAT6 HIGH GRADE 550MHz UTP (STRANDED)

SKU: 063 SERIES

DESCRIPTION

Category-6, 24AWG, UTP, 8C Stranded Bare Copper, 550MHz, 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
- Exceeds EIA/TIA 568-B.2-1, ISO/IEC-11801
- 1000ft Pull Box



Dimensions 14.75H x 14.75L x 8.5W (inches)
45pcs per pallet
(Packaging may vary)

Technical Data

Rated Temperature (°C)	70
Rated Voltage (V)	30
Product Standard Certification	CM
Flammability Test	IEC-332-1

Conductor

Size **Stranded Bare Copper**
24 AWG

Insulation

Average Thickness (mm)	0.20
Min. Point Thickness (mm)	0.18
Insulation Diameter (±0.005mm)	0.98
Twisted Pair Diameter (±0.01)	1.96

Separator

Assembly Diameter **4.80**

Jacket

Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	6.20
Rip Cord	Yes
Color	Blue

Color of Pairs

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

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CM UTP 4PR 24AWG
CAT6 550MHz TIA/EIA-568B.2-1 STRANDED RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)

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

Rackmount Solutions, Inc.
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Plano, TX 75074
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www.rackmountsolutions.net

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PERFORMANCE

Electrical Characteristics:

1.0-550.0MHz Impedance (Ohms)	100±15
1.0-550.0MHz 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 (Min dB)
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
400	14.8	44.2	35.3
550	14.2	52.8	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	54.2	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
400	33.2	15.8	535.0
550	31.2	13.0	533.0

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Subject to change without notice.