

CAT5E HIGH GRADE 350MHz UTP PLENUM (CMP)



Description

Standards/Listings

Applications

SKU: 051-SERIES

Unshielded four twisted pair Category 5e Horizontal Cable with a flame retardant PVC jacket. Extended Testing to 350 MHz

ANSI/TIA/EIA 568C.2 Category 5e Swept to 350 MHz, ISO/IEC 11801 Category 5e, NEC Article 800, UL 910: CMP FT6, ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 5e, C(ETL)US CMP

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM. Wideband, and Ethernet 1000BASE-T.

CONSTRUCTION

Conductor:	24 AWG Solid Bare Copper
Number of Conductors or Pairs:	4 Pair
Jacket Material:	Low Smoke Flame Retardant Polyvinyl Chloride
Nominal Overall Cable Diameter:	0.185 inch (4.699 mm)
Approximate Cable Weight:	22 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	Installation: 0°C to 50°C Operation: -10°C to 60°C
Velocity of Propagation:	72%
Mutual Capacitance:	14 pF/ft Nominal
Capacitance Unbalance:	330 pF/ft Maximum
Maximum Conductor D.C.R.:	28.6Ω/1,000 ft
Maximum D.C.R. Unbalance:	5%
Maximum Delay Skew:	45.0ns/100m
Maximum Propagation Delay Skew:	5.7ns/100m
Characteristic Impedance:	From 0.772 MHz — 100 MHz 100 ± 15% From 101 MHz — 250 MHz 100 ± 22% From 251 MHz—350 MHz 100 ± 32%
Maximum Installing Tension:	25 lb
Minimum Bending Radius:	1.0 inch
Insulation Colors:	Blue paired with White/Blue Orange paired with White/Orange Green paired with White/Green Brown paired with White/Brown

Jacket Color Available in
Black, Blue, Gray, Green,
Red, White, Yellow

VERTICAL CABLE

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



www.verticalcable.com

Rev. 08/2010

Subject to change without notice.

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Surface Print: VERTICAL ETL VERIFIED CAT5E TO TIA-568C.2 3147706 CMP 24AWG UTP C(ETL)US FT6 MADE IN USA V1574 ROHS + Footage Marking

Footage Marking: Each coil shall be footage marked starting with one thousand ending with zero in two foot increments.

ELECTRICAL CHARACTERISTICS

<u>Frequency</u>	<u>SRL</u>	<u>Return Loss</u>	<u>Attenuation</u>	<u>PS-NEXT</u>	<u>NEXT</u>	<u>ELFEXT</u>	<u>PS-ELFEXT</u>
<u>MHz</u>	<u>dB</u>	<u>dB</u>	<u>dB (100m)</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>
	<u>Minimum</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>
1	23.0 2	0.0	2.0	68.3 7	0.3	63.8 6	0.8
4	23.0 2	0.3	4.0	59.3 6	1.3	51.7 4	8.7
10 2	3.0	25.0 6	.4 5	3.3	55.3 4	3.8	40.8
16 2	3.0	25.0 8	.2 5	0.3	52.3 3	9.7	36.7
20 2	3.0	25.0 9	.2 4	8.8	50.8 3	7.7	34.7
31.25	21.5 2	3.6	11.7 4	5.9	47.9 3	3.9	30.9
62.5 1	8.1	21.5 1	6.9	41.4 4	3.4	27.8 2	4.8
100	16.0 2	0.1	21.9 3	8.3	40.3 2	3.8	20.8
250	12.0 1	7.3	36.8 3	2.3	34.3 1	5.8	12.8
300	11.2 1	6.8	40.9 3	1.2	33.2 1	4.2	11.2
350	10.6 1	6.3	44.8 3	0.2	32.2 1	2.9	9.9

MADE IN USA

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