

CAT5 ENHANCED 350MHz STP (SHIELDED) CMR RATED



SKU: 057 SOLID SERIES

DESCRIPTION

Category-5E, 24AWG, STP, 8C Solid Bare Copper, CMR Rated, PVC Jacket 1000ft

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-5E Shielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- Riser Rated PVC Jacket
- ETL Listed, RoHS Compliant
- 1000ft Pull Box

Technical Data

Rated Temperature (°C)	75
Product Standard Certification	CMR
Application	Horizontal Wiring in LAN
Reference Standard	EIA/TIA 568 & ISO/IEC 11801

Conductor

Size **Solid Bare Copper**

Insulation

Average Thickness (mm)	0.228
Min. Point Thickness (mm)	0.205
Insulation Diameter (±0.005mm)	0.97
Twisted Pair Diameter (±0.01)	1.94
Bond (mm)	PE-Tape
Shield (mm)	AL Foil
Drain Wire Dia.(±0.003mm)	0.40
(Solid Tinned Copper)	

Assembly Diameter Jacket

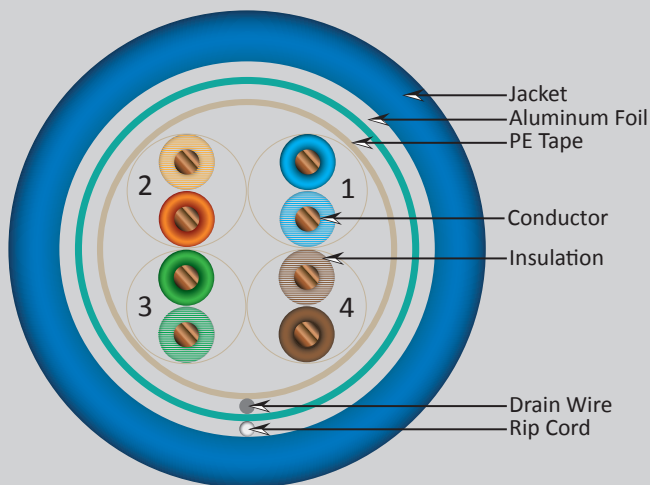
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.55
Outer Diameter (±0.10mm)	6.15
Rip Cord	Yes

Color of Pairs

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

Marking on Jacket

VERTICAL 4003289 cETLus VERIFIED CMR FT4 STP 4PR 24AWG
CAT5E 350MHz TIA/EIA-568C.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)



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

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

VERTICAL CABLE

800.749.2447 Florida
951.696.7772 California
845.391.8318 New York



www.verticalcable.com

Rev. 08/2015

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.

CAT5 ENHANCED 350MHz STP (SHIELDED) CMR RATED

PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ω)	100±15
100-200MHz Impedance (Ω)	100±25
200-350MHz Impedance (Ω)	100±35
1.0-350.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (Ω /km)	93.8
Resistance Unbalance (%)	≤5
Insulation Resistance (M Ω Km, DC500V Charge 1 Min)	≥5000
Voltage Endurance (DC V/min)	1000 without breakdown

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max	Next (ns/100m)	ACR Typ(dB)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
200	18.0	32.4	30.8	3.5
300	16.8	41.0	28.2	-----
350	16.3	44.9	27.2	-----

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

VERTICAL CABLE

800.749.2447 Florida
951.696.7772 California
845.391.8318 New York



www.verticalcable.com

Rev. 08/2015

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.