



CAT5e (ENHANCED) 350MHz F/UTP (SHIELDED) CMR RATED

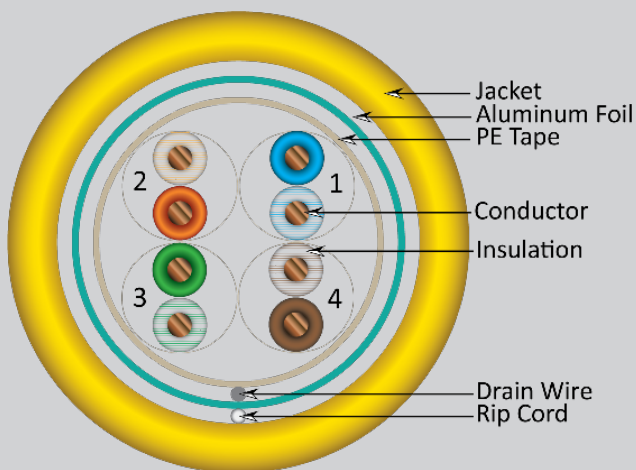
SKU: 057 SOLID SERIES

DESCRIPTION

**CAT5e, 24 AWG, F/UTP, 8C Solid Bare
Copper, CMR Rated, PVC Jacket 1000ft**

FEATURES

- Overall Foil-Shielded Twisted-Pair (F/UTP) Construction
- Riser Fire Safety Rating (CMR)
- 24 AWG Bare Copper Conductors
- Easy-to-See Vivid-Color Conductor Insulation & Jacket
- Moisture-Resistant Box equipped with easy-to-pull tube
- Supports High-Speed Data Applications, Fast Ethernet and 155-Mbit/s TP-PMD/CDDI
- Supports High-Speed Data Applications up to 1 Gbit/s
- Meets or exceeds ANSI/TIA-568.2-D, ISO/IEC 11801 Transmission Performance Specifications
- ETL Listed, RoHS Compliant
- Packaging: 1000 ft Pull Box
- Weight: 28-30 lbs



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

Technical Data

Rated Temperature	75° C
Voltage Rating	60 V
Product Standard Certification	CMR
Application	Horizontal Wiring in LAN
Reference Standard	ANSI/TIA-568.2-D & ISO/IEC 11801
NVP	69%
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Average Thickness	0.0089 in (0.228 mm)
Min. Point Thickness	0.008 in (0.205 mm)
Insulation Diameter	0.038 in (0.97 mm ±0.005)
Twisted Pair Diameter	0.076 in (1.94 mm ±0.01)
Bond	PE-Tape
Shield	AL Foil
Drain Wire Dia. (Solid Tinned Copper)	0.016 in (0.40 mm ±0.003)
Assembly Diameter	0.19 in (4.95 mm)
Jacket	PVC
Average Thickness	0.024 in (0.60 mm)
Min. Point Thickness	0.021 in (0.55 mm)
Outer Diameter	0.24 in (6.15 mm ±0.10)
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 4001453 cETLus VERIFIED CMR FT4 F/UTP 4PR 24AWG
CAT5E 350MHz ANSI/TIA-568.2-D RoHS V139P10864 1000FT

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

VERTICAL CABLE
951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



Rev. 05/2020

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

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PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ω)	100 $\pm$ 15
100-200MHz Impedance (Ω)	100 $\pm$ 25
200-350MHz Impedance (Ω)	100 $\pm$ 35
1.0-350.0MHz Delay Skew (ns/100m)	$\leq$ 45
Pair-to-Ground Capacitance Unbalance (pF/100m)	$\leq$ 330
Max. Conductor DC Resistance 20°C (Ω /km)	93.8
Resistance Unbalance (%)	$\leq$ 5
Insulation Resistance (M Ω Km, DC500V Charge 1 Min)	$\geq$ 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

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