

# CAT5 ENHANCED 350MHz F/UTP (SHIELDED) CMR RATED

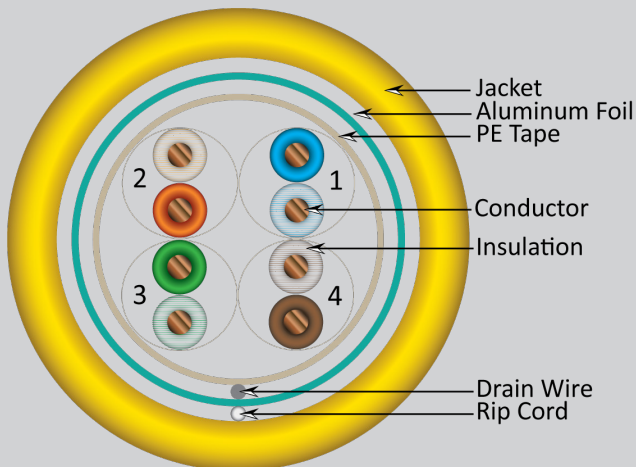


## DESCRIPTION

Category-5E, 24AWG, F/UTP, 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 Overall 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



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

## SKU: 057 SOLID SERIES

### Technical Data

Rated Temperature	75°C
Rated Voltage	60v
Product Standard Certification	CMR
Application	Horizontal Wiring in LAN
Reference Standard	EIA/TIA 568 & ISO/IEC 11801
NVP	69%

### Conductor

Size Solid Bare Copper

24 AWG

### Insulation

Average Thickness	0.0089" (0.228mm)
Min. Point Thickness	0.008" (0.205mm)
Insulation Diameter	0.038" (0.97±0.005mm)
Twisted Pair Diameter	0.076" (1.94±0.01)
Bond (mm)	PE-Tape
Shield (mm)	AL Foil
Drain Wire Dia.(±0.003mm) (Solid Tinned Copper)	0.016" (0.40±0.003mm)

### Assembly Diameter

### Jacket

Average Thickness	0.19" (4.95mm)
Min. Point Thickness	PVC
Outer Diameter	0.024" (0.60mm)
Rip Cord	0.021" (0.55mm)
	0.24" (6.15±0.10mm)
	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 TIA/EIA-568C.2 RoHS V139P10864 1000FT

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

**VERTICAL CABLE**

954 454-3554 Florida Office

951 696-7772 California Office

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 ( $\Omega$ )	100±15
100-200MHz Impedance ( $\Omega$ )	100±25
200-350MHz Impedance ( $\Omega$ )	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 ( $\Omega$ /km)	93.8
Resistance Unbalance (%)	≤5
Insulation Resistance (M $\Omega$ 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

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