

# CAT5 ENHANCED 350MHz STP CMP RATED (SHIELDED)

Cat5eCableGuy.Com

## DESCRIPTION

Category-5E, 24AWG, STP, 8C Solid Bare Copper, CMP 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-568B.2-1, ISO/IEC 11801
- CMP Rated
- ETL Listed
- 1000ft Pull Box



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

## Technical Data

### Conductor

Size

**Solid Bare Copper**

24 AWG

### Insulation

Material

**TEFLON FEP**

Thickness

Nominal: 0.255 mm

Diameter

Nominal: 1.018 mm

Unaged Elongation

Min. 200%

Tensile Strength

Min. 1.754 Kgf/mm<sup>2</sup>

### Shield

Aluminum Foil and Mylar tape

### Drain Wire

Tinned Copper

### Jacket

**FR-PVC**

Thickness

Nominal: 0.5 mm

Diameter

Nominal: 6.1 mm

Color

Blue

Unaged Elongation

Min. 100%

Tensile Strength

Min. 1.407 Kgf/mm<sup>2</sup>

Aging at 100°C for 168 Hrs

Min. Elongation retention: 50%

Min. Tensile strength retention: 75%

### 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

CAT5E CMP 24AWG FTP C(ETL) US FT6 350 ETL VERIFIED  
CAT5E TO TIA-568B.2 RoHS XXXFT

### Applications

1000BASE-T Gigabit Ethernet

10BASE-T, 100BASE-Tx Fast Ethernet (IEEE 802.3)

100 VG - AnyLAN (IEEE 802.12), 155 Mbps ATM

550 MHz Broadband video

Voice, T1, ISDN

Jacket color available in  
Blue, White, Gray



Cat5eCableGuy.Com  
Where Quality Cable is on Sale!



Rev. 07/2011

Subject to change without notice.

# CAT5 ENHANCED 350MHz STP CMP RATED (SHIELDED)

## PERFORMANCE

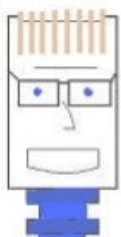
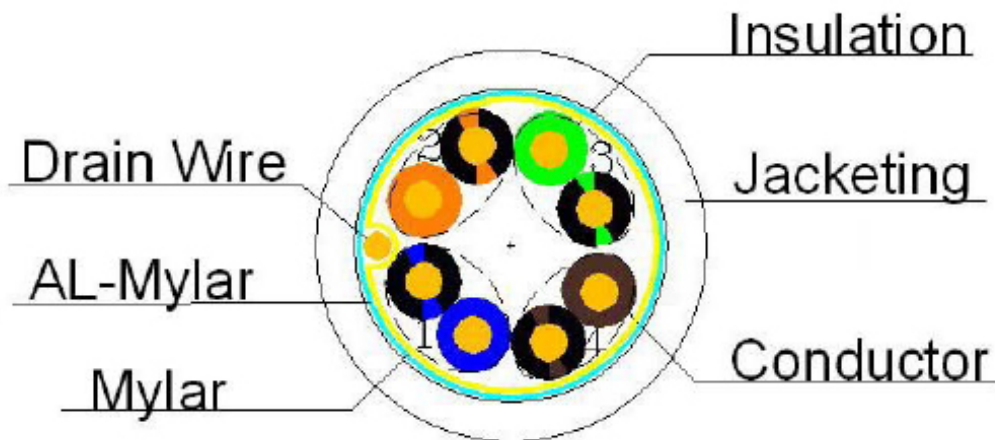
### Electrical Characteristics:

Impedance 722 kHz	:102Ω±15%
Impedance 1~125 MHz	:100Ω±15%
Spark Test	:850 V ac
Dielectric Strength	:2500 V dc / 3 seconds
Insulation Resistance	:Min. 150 MΩ/Km
Conductor DC Resistance	:Max. 9.38 Ω/100m at 20°C
DC Resistance Unbalance	:Max. 5%
Capacitance Unbalance	:Max. 330 pF/100m
Mutual Capacitance	:Max. 5600 pF/100m

### Attenuation & Near End Cross Talk

Frequency (MHz)	Attenuation (db/00m)		Next(dB)	
	Max.	Nom.	Min.	Nom.
772kHz	--	--	--	--
1 MHz	2.0	65	62	
4 MHz	4.1	56	53	
8 MHz	5.8	51	48	
10 MHz	6.5	50	47	
16 MHz	8.2	47	44	
20 MHz	9.3	45	42	
25 MHz	10.4	44	41	
31.25 MHz	11.7	42	39	
62.5 MHz	17.0	38	35	
100 MHz	22.0	35	32	
125 MHz	25.0	34	31	

The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula: **NEXT (f MHz) ≥ NEXT (0.772) - 15LOG10 (f MHz/0.772) dB**



**Cat5eCableGuy.Com**  
Where Quality Cable is on Sale!

Rev. 07/2011

Subject to change without notice.