

# Category 5E STP Solid CMP Cable

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Category 5e cabling solution supports the operation of 1000 BASE-T over 100 meters and are qualified for frequency up to 350 MHz. It provides bandwidth required for multi-media, broadband video, analog video and other future applications.

### Application

- 1000BASE-T Gigabit Ethernet
- 10BASE-T,100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- Voice, T1, ISDN

### Standard Compliances

- All Category 5e requirements as per ANSI/TIA, ISO/IEC, and CENELEC EN standards:
- ANSI/TIA-568-C.2 Cat.5e
- 2nd Edition ISO/IEC 11801 , CENELEC EN 50173-1
- CENELEC EN 50173-1IEC 61156-5, CENELEC EN 50288-2-1 for Horizontal cable
- UL 444
- NEC/CEC Type CMP (NFPA 262) for plenum cable
- We implemented RoHS compliance for the requirement of European Union issued Directive 2011/65/EU



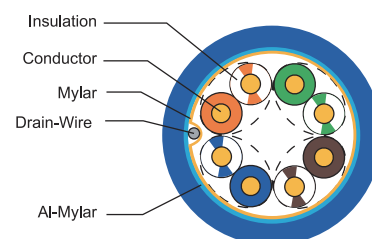
## ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation	1200 V dc / 2 seconds			
Insulation Resistance Test	Min. 5000 MΩ-Km			
Conductor Resistance	Max. 9.38 Ω/100m at 20°C			
Resistance Unbalance	Max. 2%			
Capacitance Unbalance	Max. 160 pF/100m			
Mutual Capacitance	Max. 5600 pF/100m			
	1~100MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	2.0*	65.3*	62.3*
	4 MHz	4.1*	56.3*	53.3*
	8 MHz	5.8*	51.8*	48.8*
	10 MHz	6.5*	50.3*	47.3*
	16 MHz	8.2*	47.2*	44.2*
	20 MHz	9.3*	45.8*	42.8*
	25 MHz	10.4*	44.3*	41.3*
	31.25 MHz	11.7*	42.9*	39.9*
	62.5 MHz	17.0*	38.4*	35.4*
100 MHz	22.0*	35.3*	32.3*	

The asterisked (\*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:

$$NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \log_{10}(f \text{ MHz}/0.772) \text{ dB}$$

Prime Wire & Cable  
Structured Cabling Division  
**15 Years Performance Warranty**



BC1100931X  
Category 5e STP Solid CMP Cable

2=Blue ● 4=Grey ● 8=White ○

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Marking:CAT.5E STP INSTALLATION CABLE ETL VERIFIED TO ANSI/TIA-568-C.2 24AWGX4P CMP(UL) c(UL) E164469-XX [XXXXXXXXM]