



## SOLID ETHERNET BULK WIRE

### CAT 6 STP CMR OVERVIEW

This twisted pair data cable with 4 pairs of solid 24 AWG conductors allows for longer maximum cable runs and increased rigidity. A 4-way separator maintains proper pair spacing while reducing crosstalk between twisted pairs. This cable also features an aluminum foil shield which protects against interference and crosstalk between cables as well as a dedicated copper clad aluminum drain wire to provide for proper shielded termination. Additionally, a blue PVC jackets protects the interior workings of the cable from the harsh environment and installation stress.

This solid Cat 6 wire provides a solid foundation for any commercial or home network. It is perfect for use for 100 BaseT4, 100 BaseTX, 1000BaseT(Gigabit Ethernet), 155mbps ATM, 622MBps ATM, HDBaseT, 100BaseVG ANYLAN, NTSC/PAL, Component/Composite Video, AES/EBU, Digital Video, and RS-422. Tested up to 250 MHz.



Product specifications may change without prior notification



## SPECIFICATIONS

### Product

Part Number: **IO-E4241S-6CMR-1000B**

Number of Conductors: **8 (4 Twisted Pairs)  
plus drain wire**

### Insulation

Material: **HDPE**

Colors: **White/Orange, Orange, White/Green,  
Blue, White/Blue, Green, White/Brown, Brown**

### Drain Wire

Details: **0.40mm CCA**

### Electrical and Mechanical Characteristics

Conductor DC Resistance:  **$\leq 9.5 \Omega/100m$**

Working Capacitance:  **$\leq 5.4 nF/100m$**

Insulation Resistance: **10,000 M $\Omega$ /km**

Transmission Velocity: **65%**

Operating Temperature: **-20°C ~ +75°C (-4°F ~ +167°F)**

### Conductors

Details: **Bare Copper**

Size: **24 AWG**

O.D.: **0.5mm**

### Shields

Details: **Transparent Paper,  
Aluminum Foil**

### Jacket

O.D.: **7.8 $\pm$ 0.2mm**

Material: **PVC**

Color: **Blue**

Thickness: **0.6-0.65mm**

### Flammability Grade

Details: **CMX, CM, CMR**

## CONFIGURATION



## STANDARDS & CLASSIFICATIONS



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