



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### FOIL SHIELD & DRAIN WIRE

Shielded to provide protection against electromagnetic interference and crosstalk between cables and also fitted with Copper Clad Aluminum Drain wire for proper shielded termination. Perfect for noisy environments.

### HIGH QUALITY TWISTED PAIRS

Twisted pair data cable with 4 pairs of solid conductors plus drain wire provide a solid foundation for any commercial or home network. Supports speeds of up to Gigabit Ethernet. The solid conductors allow for longer maximum cable runs but decrease flexibility.

### **Applications:**

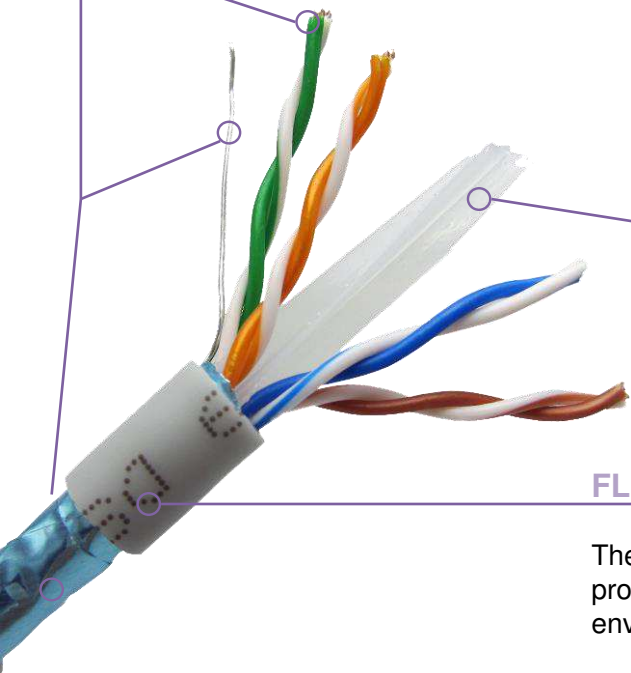
- 100 BaseT4
- 100 BaseTX
- 1000BaseT (Gigabit Ethernet)
- 155mbps ATM
- 622MBps ATM
- HDBaseT
- 100BaseVG ANYLAN
- NTSC/PAL
- Component/Composite Video
- AES/EBU
- Digital Video
- RS-422
- Noisy Environments
- 250 MHz Category 6

### INTERNAL SEPARATOR

4-way separator, keeps pairs from rubbing against each other while preventing crosstalk between them.

### FLEXIBLE PVC JACKET

The Cat6 wire comes complete with a matte PVC jacket that protects the interior workings of the cable from the harsh environment. Including crosstalk between cables. SOLID WIRE



Product specifications may change without prior notification

## Configuration



### Product

Part number IO-E4241S-6CMR-1000B  
 Number of Conductors 8 (4 Twisted Pairs) plus drain wire

### Conductors

Details Bare Copper  
 Size 24 AWG  
 OD 0.5mm

### Insulation

Material HDPE  
 Thickness 0.62mm  
 OD 0.96-1.035mm  
 Colors White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/Brown, Brown

### Shields

Transparent Paper, Aluminum Foil

### Drain Wire

0.40mm CCA

### Flammability Grade

CMX, CM, CMR

### Jacket

O.D. 7.8+/-0.2mm  
 Material PVC  
 Color Blue  
 Thickness 0.6-0.65mm

### Electrical and Mechanical Characteristics

DC Resistance (Max.) 9.5Ω/100m  
 Working Capacitance (Max.) 5.4nF/100m  
 Insulation Resistance 10,000MΩ.km  
 Transmission Velocity 65%  
 Operating Temperature -20°C ~ +75°C (-4°F ~ +167°F)

## PART NUMBER BREAKDOWN:

IO-E4261S-5ECMR-1000B  
 E FOR ETHERNET

IO-E4261S-5ECMR-1000B  
 4 TWISTED PAIRS

IO-E4261S-5ECMR-1000B  
 AWG

IO-E4261S-5ECMR-1000B  
 1 FOR SOLID OR 2 FOR STRANDED

IO-E4261S-5ECMR-1000B  
 SHIELDED

IO-E4261S-5ECMR-1000B  
 5E OR 6 FOR CAT 5E OR CAT6

IO-E4261S-5ECMR-1000B  
 CM FOR INWALL RATING OR P FOR PLENUM

IO-E4261S-5ECMR-1000B  
 LENGTH IN FEET

IO-E4261S-5ECMR-1000B  
 B FOR BOX



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