

## SPECIFICATION SHEET



### **CX4/QSFP+ Infiniband Cable**

- Assembled with premium 100Ohm 28AWG, 26AWG or 24AWG cable
- Support for Infiniband, DDR applications
- Low power consumption and low crosstalk
- RoHS compliant
- TAA compliant
- Lifetime warranty

# Specifications: CX4/QSFP+ Infiniband Cable

## Electrical characteristics:

### 24AWG cable:

Differential impedance:  $100 \pm 5\Omega$   
 Mutual capacitance: 42pF/m nominal  
 Propagation delay: 4.25ns/m nominal  
 Skew (within pairs):  $\leq 100\text{ps}/10\text{m}$   
 Skew (between pairs):  $\leq 400\text{ps}/10\text{m}$   
 Attenuation: 0.86dB @ 1.25GHz  
 Near end crosstalk (NEXT):  $< 55\text{dB}$  @ 1.25GHz

### 28AWG cable:

Differential impedance:  $100 \pm 5\Omega$   
 Mutual capacitance: 14pF/ft nominal  
 Time delay: 1.35ns/ft nominal  
 Time delay skew (within pairs): 120ps/7m maximum  
 Time delay skew (between pairs): 500ps/7m maximum  
 Attenuation: 10dB/7m @ 1.25GHz  
 Conductor DC Resistance:  $0.06\Omega/\text{ft}$  nominal @ 20°C  
 Near end/far end crosstalk: 1% maximum

### 26AWG cable:

Differential impedance:  $100 \pm 5\Omega$   
 Mutual capacitance: 14pF/ft nominal  
 Time delay: 1.35ns/ft nominal  
 Time delay skew (within pairs): 120ps/8.5m maximum  
 Time delay skew (between pairs): 500ps/8.5m maximum  
 Attenuation: 10dB/8.5m @ 1.25GHz  
 Conductor DC Resistance:  $0.04\Omega/\text{ft}$  nominal @ 20°C  
 Near end/far end crosstalk: 1% maximum

## Physical specifications:

### 24AWG cable:

Conductors (eight pair): 24AWG Solid  
 Silver plated copper  
 Insulation: Foam polyolefin  
 Pair drain wire: 27AWG Solid  
 Tin plated copper  
 Pair shield: Aluminum polyester tape  
 120% coverage  
 Overall cable shield: Aluminum polyester tape  
 120% coverage  
 Tin plated copper braid  
 36AWG, 85% coverage  
 Outer diameter:  $0.38 \pm 0.015\text{in}$

### 28AWG cable:

Conductors (eight pair): 28AWG Solid  
 Silver plated copper  
 Insulation: Foam polyolefin  
 Pair drain wire: 30AWG Solid  
 Silver plated copper  
 Pair shield: Aluminum polyester tape  
 125% coverage  
 Overall cable shield: Aluminum polyester tape  
 125% coverage  
 Tin plated copper braid  
 38AWG, 85% coverage  
 Outer diameter: 0.31in

### 26AWG cable:

Conductors (eight pair): 26AWG Solid  
 Silver plated copper  
 Insulation: Foam polyolefin  
 Pair drain wire: 28AWG Solid  
 Tin plated copper  
 Pair shield: Aluminum polyester tape  
 125% coverage  
 Overall cable shield: Aluminum polyester tape  
 125% coverage  
 Tin plated copper braid  
 38AWG, 85% coverage  
 Outer diameter: 0.34in

## Specifications: CX4/QSFP+ Infiniband Cable

### Connector specifications:

Connector type: SFF-8436  
Hood material: Die cast zinc  
Nickel plated  
Contact plating: 30µ gold plated

Connector type: SFF-8470  
Hood material: Die cast zinc  
Nickel plated  
Contact plating: 30µ gold plated

Part Number	Description	AWG	Weight
06170	0.5m CX4/QSFP+ Infiniband Cable	28	0.26
06171	1m CX4/QSFP+ Infiniband Cable	28	0.34
06172	3m CX4/QSFP+ Infiniband Cable	28	0.69
06173	5m CX4/QSFP+ Infiniband Cable	26	1.24
06174	7m CX4/QSFP+ Infiniband Cable	24	2.22



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