



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
- 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 Ω /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 Ω /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 0.015in

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

