

## SPECIFICATION SHEET



### **QSFP+/QSFP+ 40G Passive Infiniband Cable**

- Assembled with premium 100Ohm 30AWG, 28AWG, 26AWG or 24AWG cable
- Support for Infiniband, QDR/DDR/SDR applications
- Low power consumption and low crosstalk
- RoHS compliant
- TAA compliant
- Lifetime warranty

# Specifications: QSFP+/QSFP+ 40G Passive Infiniband Cable

## Electrical characteristics:

<b>24AWG cable:</b>		<b>26AWG cable:</b>	
Differential impedance:	100 ± 5Ω	Differential impedance:	100 ± 5Ω
Mutual capacitance:	42pF/m nominal	Mutual capacitance:	14pF/ft nominal
Propagation delay:	4.25ns/m nominal	Time delay:	1.35ns/ft nominal
Skew (within pairs):	≤ 100ps/10m	Time delay skew (within pairs):	120ps/8.5m maximum
Skew (between pairs):	≤ 400ps/10m	Time delay skew (between pairs):	500ps/8.5m maximum
Attenuation:	0.86dB @ 1.25GHz	Attenuation:	10dB/8.5m @ 1.25GHz
Near end crosstalk (NEXT):	< 55dB @ 1.25GHz	Conductor DC Resistance:	0.04Ω/ft nominal @ 20°C
		Near end/far end crosstalk:	1% maximum
<b>28AWG cable:</b>		<b>30AWG cable:</b>	
Differential impedance:	100 ± 5Ω	Differential impedance:	100 ± 5Ω
Mutual capacitance:	14pF/ft nominal	Mutual capacitance:	14pF/ft nominal
Time delay:	1.35ns/ft nominal	Time delay:	1.35ns/ft nominal
Time delay skew (within pairs):	120ps/7m maximum	Time delay skew (within pairs):	50ps/5.5m maximum
Time delay skew (between pairs):	500ps/7m maximum	Time delay skew (between pairs):	350ps/5.5m maximum
Attenuation:	10dB/7m @ 1.25GHz	Attenuation:	8.4dB/5.5m @ 1.25GHz
Conductor DC Resistance:	0.06Ω/ft nominal @ 20°C	Conductor DC Resistance:	0.10Ω/ft nominal @ 20°C
Near end/far end crosstalk:	1% maximum		

## Physical specifications:

<b>24AWG cable:</b>		<b>26AWG cable:</b>	
Conductors (eight pair):	24AWG Solid Silver plated copper	Conductors (eight pair):	26AWG Solid Silver plated copper
Insulation:	Foam polyolefin	Insulation:	Foam polyolefin
Pair drain wire:	27AWG Solid Tin plated copper	Pair drain wire:	28AWG Solid Tin plated copper
Pair shield:	Aluminum polyester tape 120% coverage	Pair shield:	Aluminum polyester tape 125% coverage
Overall cable shield:	Aluminum polyester tape 120% coverage Tin plated copper braid 36AWG, 85% coverage	Overall cable shield:	Aluminum polyester tape 125% coverage Tin plated copper braid 38AWG, 85% coverage
Outer diameter:	0.38 ± 0.015in	Outer diameter:	0.34in
<b>28AWG cable:</b>		<b>30AWG cable:</b>	
Conductors (eight pair):	28AWG Solid Silver plated copper	Conductors (eight pair):	30AWG Solid Silver plated copper
Insulation:	Foam polyolefin	Insulation:	Foam polyolefin
Pair drain wire:	30AWG Solid Silver plated copper	Pair drain wire:	30AWG Solid Tin plated copper
Pair shield:	Aluminum polyester tape 125% coverage	Pair shield:	Aluminum polyester tape 125% coverage
Overall cable shield:	Aluminum polyester tape 125% coverage Tin plated copper braid 38AWG, 85% coverage	Overall cable shield:	Aluminum polyester tape 125% coverage Tin plated copper braid 38AWG, 85% coverage
Outer diameter:	0.31in	Outer diameter:	0.24in

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## Connector specifications:

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

Part Number	Description	AWG	Weight
06150	0.5m QSFP+/QSFP+ 40G Passive Infiniband Cable	28	0.24
06151	1m QSFP+/QSFP+ 40G Passive Infiniband Cable	28	0.33
06152	2m QSFP+/QSFP+ 40G Passive Infiniband Cable	30	0.45
06153	2m QSFP+/QSFP+ 40G Passive Infiniband Cable	28	0.49
06154	3m QSFP+/QSFP+ 40G Passive Infiniband Cable	28	0.67
06155	3m QSFP+/QSFP+ 40G Passive Infiniband Cable	26	0.69
06156	4m QSFP+/QSFP+ 40G Passive Infiniband Cable	28	1.01
06157	4m QSFP+/QSFP+ 40G Passive Infiniband Cable	26	1.03
06158	5m QSFP+/QSFP+ 40G Passive Infiniband Cable	26	1.45
06159	5m QSFP+/QSFP+ 40G Passive Infiniband Cable	24	1.49
06160	7m QSFP+/QSFP+ 40G Passive Infiniband Cable	24	2.02



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