

AS+S+10GxxxxxSz Cable Assemblies - 10G Active Optical Cable SFP+



For more Information
please call
1-800-Belden1



Description

10G SFP+ Active Optical Cable SFP+/SFP+, Multimode Duplex, LSZH or OFNP, color, various lengths (see Product Family Table)

Usage (Overall):

Suitable Applications	Data Centers, Main Equipment Rooms, Telecommunications Rooms, Work Area, 1-10G Ethernet, 1/2/4/8G Fiber Channel, 10G Fiber Channel over Ethernet, SDR, DDR, QDR, FDR-10 Infiniband, Storage Area Networks (SAN), Network Attached Storage (NAS) and High Performance Computing.
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Multi Conductor:

Physical Characteristics:

Overall Diameter:

Overall Nominal Diameter:	0.085 x 0.120 in.
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Physical Characteristics (Connectivity):

Fiber Type:

Fiber Type	MM
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Wiring Scheme:

Wiring Scheme	SFF-8431
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Packaging:

Packaging	Individually packaged in a clear ESD plastic bag.
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Mechanical Characteristics (Connectivity):

Storage Temperature Range	-20°C To +80°C
Installation Temperature Range	0°C To +70°C
Operating Temperature Range	0°C To +70°C

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards & Environmental Programs:

EU Directive 2002/95/EC (RoHS)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2006
MII Order #39 (China RoHS)	EUP 50

Suitability:

Suitability - Indoor	Yes
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Transmission Characteristics (Connectivity):

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Performance Table - Footnote

Operating Optical Wavelength: 850 nm

Electrical Characteristics (Overall):

Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note
Data rate	-	1.000	10.313	10.520	Gb/s	-
Power supply voltage	Vcc	3.140	3.300	3.460	V	-
Power supply current	Icc	-	75	110	mA	TX+RX
Power consumption	-	-	250	-	mW	TX+RX
Operating Optical Wavelength	-	840	850	860	nm	-
Output rise time (20%-80%)	-	28	-	-	ps	-
Output fall time (20%-80%)	-	28	-	-	ps	-
Deterministic jitter	DJ	-	-	0.420	Unit Interval (UI)	RX
Total jitter	TJ	-	-	0.700	Unit Interval (UI)	RX
J2	-	-	-	0.420	Unit Interval (UI)	BER=2E-3
J9	-	-	-	0.650	Unit Interval (UI)	BER=2E-10
Bit error rate	BER	-	-	1E-15	-	-
Differential data input voltage	-	200	-	800	mVpp	Internal AC coupled
Differential input impedance	-	-	100	-	Ohm	-
TX-Disable input voltage-low	-	0	-	0.800	V	-
TX-Disable input voltage-high	-	2.000	-	Vcc	V	-
TX-Fault output voltage-low	-	0	-	0.800	V	-
TX-Fault output voltage-high	-	2.000	-	Vcc	V	-
Differential data output voltage	-	300	-	800	mV	Internal AC coupled
Differential output impedance	-	-	100	-	Ohm	-
LOS-asserted output voltage-low	-	0	-	0.800	V	-
LOS-deasserted output voltage-high	-	2.000	-	Vcc	V	-

Labeling:

Labeling

Belden Part Number, Length and Short Description.

Notes (Overall):

Notes Conformance: INF-8074i, SFF-8431, SFF-8432, SFF-8461, SFF-8472, EIA-364, EIA-364-1000, Telcordia GR-468, Telcordia GR-63.

Notes (Cont'd.)

- Cable Type: Plenum or LSZH.
- Supporting 0.5 to 150 M. Lengths and colors not shown into the Product Family Table are available upon special request.

Product Family:

Product List

Belden P/N	Description
AS+S+10G001MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 1.0 M
AS+S+10G003MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 3.0 M
AS+S+10G005MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 5.0 M
AS+S+10G010MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 10 M
AS+S+10G020MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 20 M
AS+S+10G100MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 100 M
AS+S+10G150MLSO	Active Optical Cable, SFP+/SFP+, LSZH Standard, Orange, 150 M
AS+S+10GxxxxLSy	Active Optical Cable, SFP+/SFP+, LSZH Standard, Color, Length
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AS+S+10G001MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 1.0 M
AS+S+10G003MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 3.0 M
AS+S+10G005MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 5.0 M
AS+S+10G010MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 10.0 M
AS+S+10G020MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 20.0 M
AS+S+10G100MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 100.0 M
AS+S+10G150MPSO	Active Optical Cable, SFP+/SFP+, OFNP Standard, Orange, 150.0 M
AS+S+10GxxxxPSy	Active Optical Cable, SFP+/SFP+, OFNP Standard, Color, Length

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