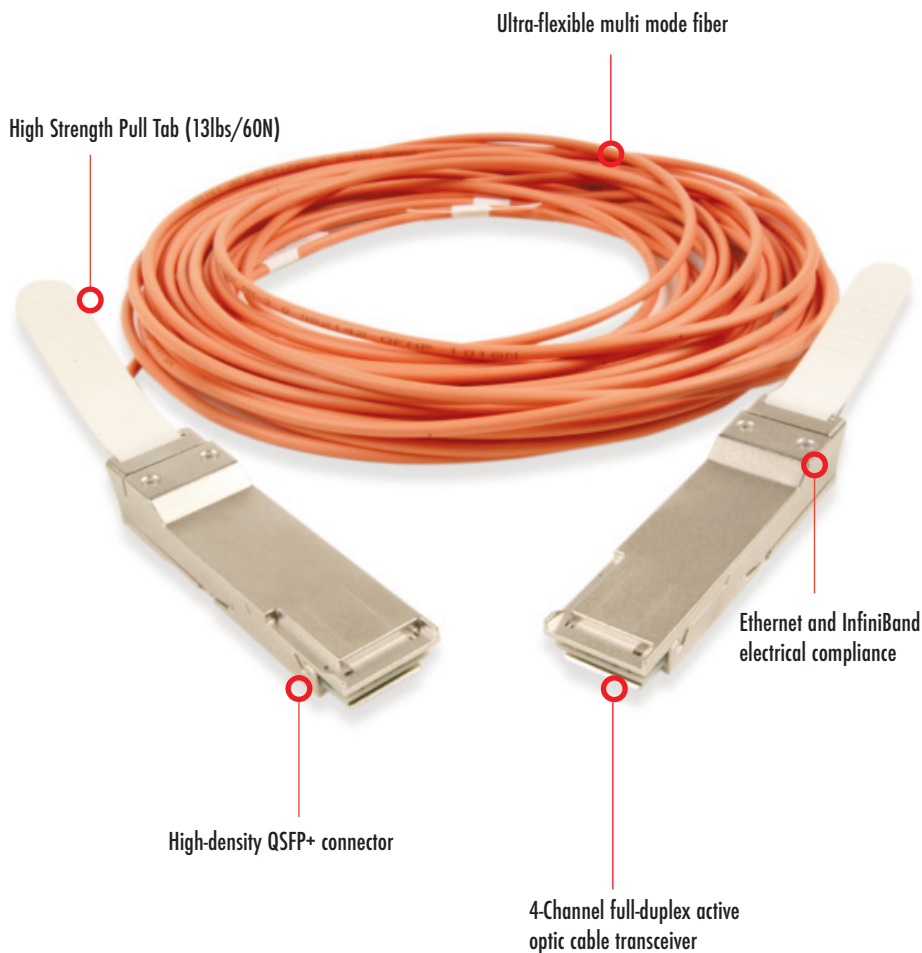


56 Gb/s QSFP+ Active Optical Cable Assemblies

Siemon Interconnect Solutions 56 Gb/s Low Power Active Optical Cable assemblies offer a cost-effective, extended reach option for high-speed data center interconnects. These AOC assemblies incorporate integrated opto-electronics with four fiber optic transceivers per end, each operating at data rates from 1 to 14 Gb/s and supporting a reach up to 100 meters. The cable is available in a number of standard lengths up to 100 meters.

AOC's offer customers the flexibility of traditional optical modules by interfacing to systems via a standard QSFP+ MSA, SFF-8436 connector. The cable is electrically compliant with the SFP+ interface supporting InfiniBand, Ethernet, Fibre Channel and other applications. The QSFP+ connector includes the Digital Diagnostic Monitoring Interface (DDMI)..



APPLICATIONS

- InfiniBand SDR, DDR, QDR, FDR
- Ethernet 40G BASE-SR4
- Fibre Channel 16 GFC
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Proprietary Cluster Interconnect
- Networking
- Storage
- Hubs, switches, routers, servers

STANDARDS COMPLIANCE

- SFF-8436
- SFF-8438
- RoHS-6 (lead free)
- Class 1 laser product per IEC 60825-1
- IEEE 802.3ba

PRODUCT INFORMATION

Performance Specifications:

Electrical	
Supply Voltage	3.1 to 3.6V
Power Consumption Per End	0.8W typical, 1.2W max
General	
Operating Temperature	0 to 70° C
Storage Temperature	-25 to 75 C
Channels	4 channels, bi-directional
Connector (each end)	QSFP+

Cable	
Type	OFNP (PVC)
Minimum Bend Radius	15xDIA - Dynamic 10xDIA - Static
Minimum Cable Assembly Bend Radius	Cable and Connector: 56 mm
Cross Section (without connector)	3mm OD
Channel Parameters	
Channels	4 Lanes, bi-directional
Data Rate	14.025 Gbps/channel Max.
Operating Optical Wavelength	850 nm

Ordering Information:

QSFP to QSFP Active Optical Cable Assemblies

Part Number	Length (Meters)
QSFPFDR-F-005	5
QSFPFDR-F-010	10
QSFPFDR-F-015	15
QSFPFDR-F-020	20
QSFPFDR-F-030	30
QSFPFDR-F-050	50
QSFPFDR-F-100	100

Note: Contact customer service for additional lengths

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

For additional resource information:

Visit our web site at www.siemon.com/SIS

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