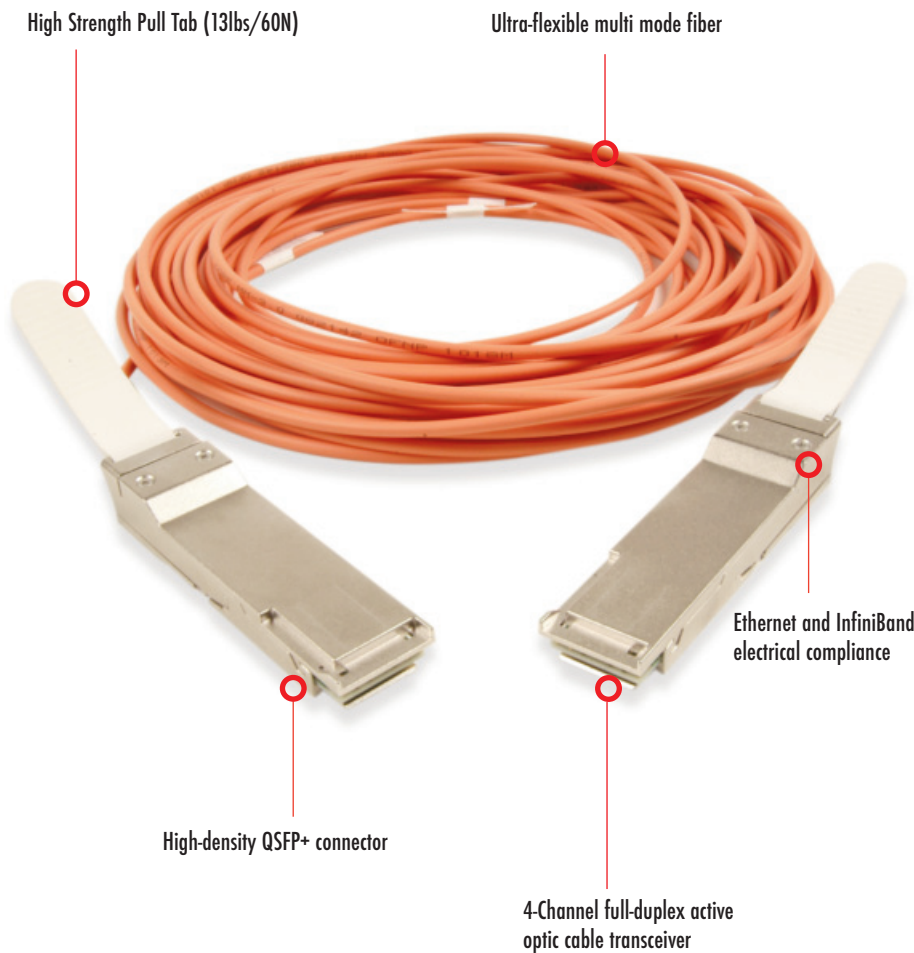


40 Gb/s QSFP+ Active Optical Cable Assemblies

Siemon Interconnect Solutions 40 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 10.5 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
 - Ethernet 40G BASE-SR4
 - Fibre Channel 4G, 8G, 10G
 - 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	10.5 Gbps/channel Max.
Operating Optical Wavelength	850 nm

Ordering Information:

QSFP to QSFP Active Optical Cable Assemblies

Part Number	Length (Meters)
QSFP-FB-005	5
QSFP-FB-010	10
QSFP-FB-015	15
QSFP-FB-020	20
QSFP-FB-030	30
QSFP-FB-050	50
QSFP-FB-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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