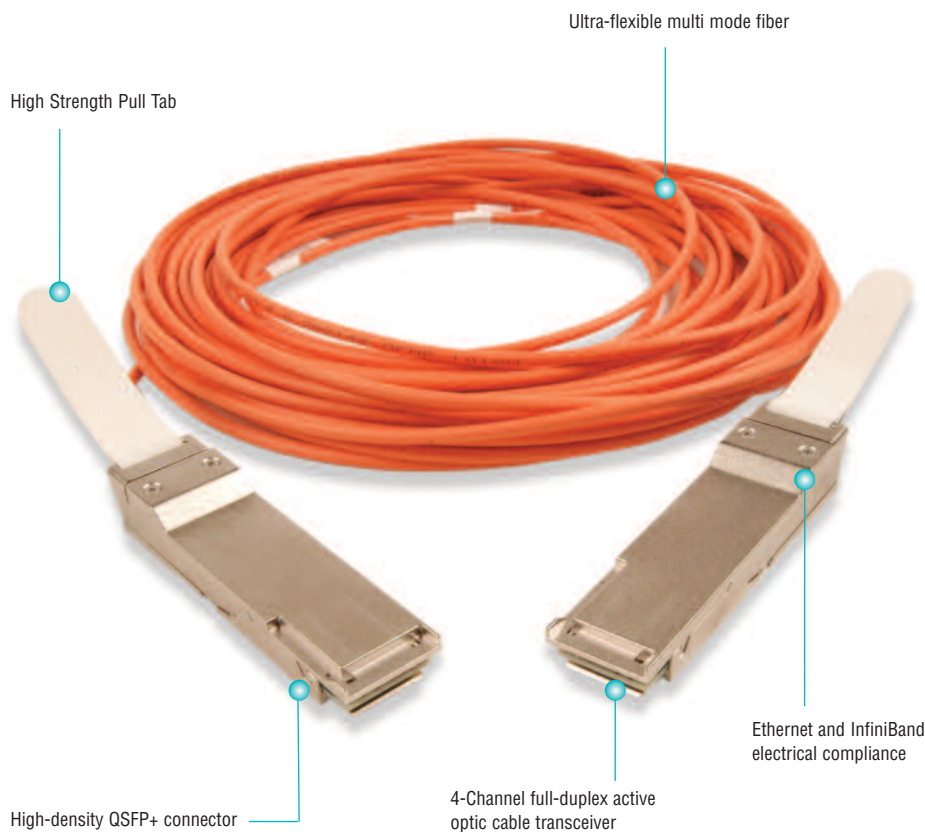


QSFP+ 40G Active Optical Cable Assemblies

Siemon 40Gb/s Low Power Active Optical Cable (AOC) 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, Fiber Channel and other applications. The QSFP+ connector includes the Digital Diagnostic Monitoring Interface (DDMI).



STANDARDS COMPLIANCE

- Electrical: ITBTA V2 Revision 1.3, IEEE 802.3ba
- SFF-8436, SFF-8636
- RoHS-6 (lead free)
- Class 1 laser product per IEC 60825-1
- IEEE 802.3ba

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

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 (32 to 158° F)
Storage Temperature	-25 to 75° C (-13 to 167° F)
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: 56mm (2.20 in.)
Cross Section (without connector)	3 -13mm (0.12 - 0.51 in.) to OD
Channel Parametres	
Channels	4 Lanes, bi-directional
Date Rate	10.5 Gbps/ channel Max
Operating Optical Wavelength	850nm

Ordering Information:

QSFP+ to QSFP+ Active Optical Cable Assemblies

Part Number	Length
QSFP-FB-005	5m (16.4 ft.)
QSFP-FB-010	10m (32.8 ft.)
QSFP-FB-015	15m (49.2 ft.)
QSFP-FB-020	20m (65.6 ft.)
QSFP-FB-030	30m (98.4 ft.)
QSFP-FB-050	50m (164.0 ft.)
QSFP-FB-100	100m (328.1 ft.)

Note: Contact Customer Service for additional lengths.



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

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