

40 Gb/s QSFP+ Active Optical Cable Assemblies

Siemon 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.

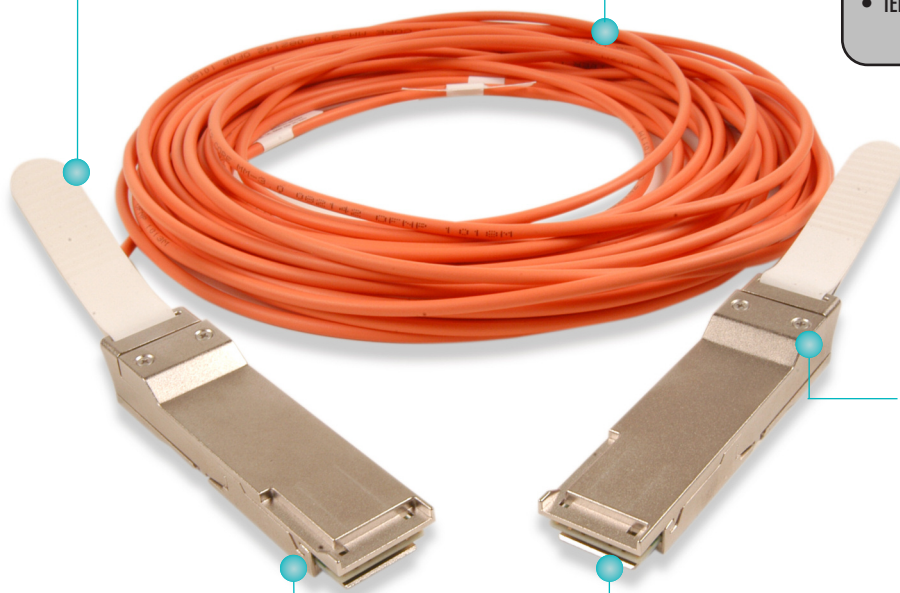
AOC's offer customers the flexibility of traditional optical modules by interfacing to systems via a standard QSFP+ MSA, SFF-8436 connector. The cable is electrically compliant with the SFP+ interface supporting InfiniBand, Ethernet, Fiber Channel and other applications. The QSFP+ connector includes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

High strength pull tab (60N)

Ultra-flexible multi mode fiber

STANDARDS COMPLIANCE

- Electrical: IBTA 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



Ethernet and InfiniBand electrical compliance

High-density QSFP+ connector

4-channel full-duplex active optic cable transceiver

APPLICATIONS

- InfiniBand SDR, DDR, QDR
- Ethernet 40G BASE-SR4
- Fiber 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 |
| 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: 56mm |
| Cross Section (without connector) | 3mm OD |
| Channel Parameters | |
| Channels | 4 Lanes, bi-directional |
| Data 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 |
| QSFP-FB-010 | 10m |
| QSFP-FB-015 | 15m |
| QSFP-FB-020 | 20m |
| QSFP-FB-030 | 30m |
| QSFP-FB-050 | 50m |
| QSFP-FB-100 | 100m |

Note: Contact Customer Service for additional lengths.

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