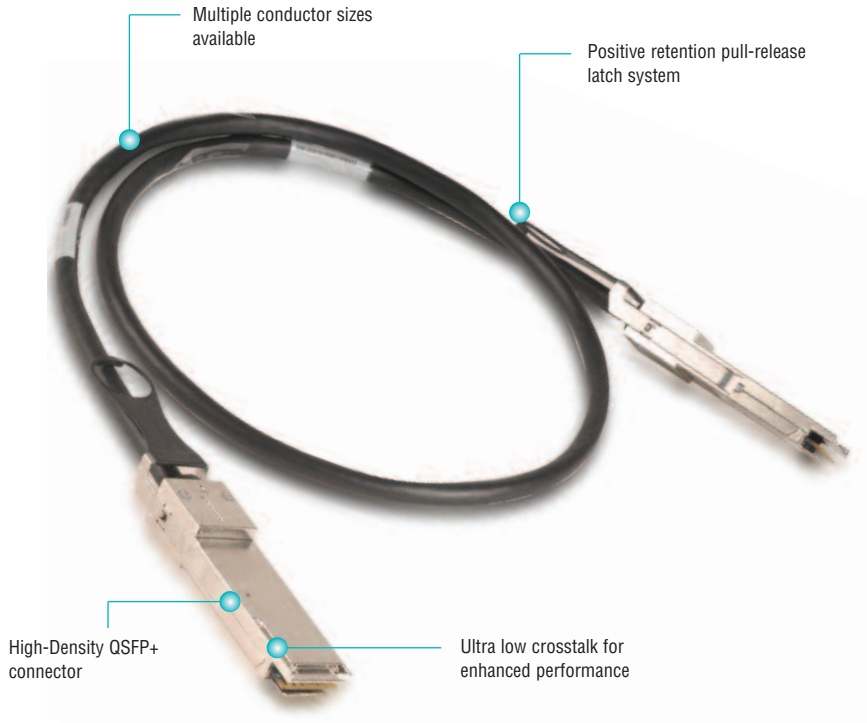


# QSFP+ 40G Passive Copper Cable Assemblies

Siemon QSFP+ Copper Cable assemblies were developed for high-density applications, offering a cost-effective, low-power option for high-speed data center interconnects. The QSFP+ form factor can replace up to four standard SFP+ connections, providing greater density and reduced system cost. The direct-attach assemblies support emerging 40Gb/s applications and are available in standard lengths up to 5 meters with longer custom lengths available.



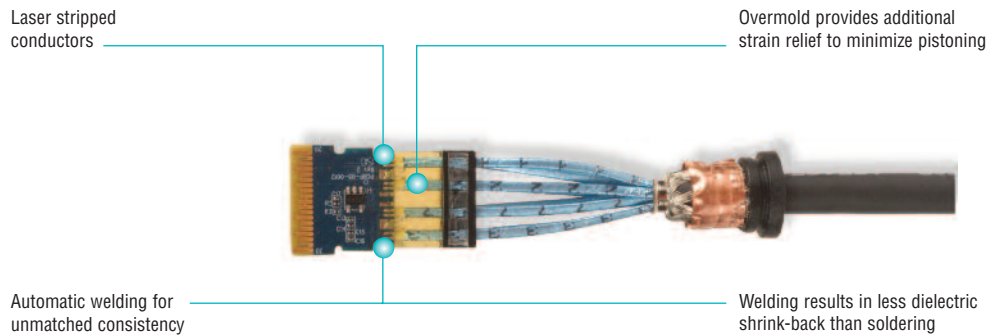
**STANDARDS COMPLIANCE**

- Electrical: IBTA V2 Revision 1.3
- IEEE 802.3ba
- EEPROM: SFF-8436
- RoHS

**APPLICATIONS**

- InfiniBand 4X SDR, DDR, QDR
- Ethernet 10G, 40G
- Fibre Channel 10G, 40G, SAN
- RapidIO
- Myrinet 40G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Networking
- Storage
- Hubs, switches, routers, servers

## PCB Termination



# Product Information

## PERFORMANCE SPECIFICATIONS

Electrical	
Min. Dielectric Withstand Voltage	300 VDC
Insulation Resistance	1000 Mohms
Current Rating	0.5 Amp Min/Signal Contact
General	
Operating Temperature	0 to 70° C (32 to 158° F)
Flammability Rating (Plastics)	UL 94
Green Features	RoHS, Lead-Free
Shield	Braid/Foil
Marking	Mfg Name, Part #, Date Code

<b>Color Options Available:</b>	
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## Ordering Information:

QSFP+ to QSFP+ Passive Copper Cable Assemblies

Part Number (Black)	Part Number (Coloured)	Length	Gauge
QSFP30-00.5(X)	QSFP30-00.5-(XX)(X)	0.5m (1.6 ft.)	30
QSFP30-01(X)	QSFP30-01-(XX)(X)	1m (3.3 ft.)	30
QSFP30-01.5(X)	QSFP30-01.5-(XX)(X)	1.5m (4.9 ft.)	30
QSFP30-02(X)	QSFP30-02-(XX)(X)	2m (6.6 ft.)	30
QSFP30-02.5(X)	QSFP30-02.5-(XX)(X)	2.5m (8.2 ft.)	30
QSFP30-03(X)	QSFP30-03-(XX)(X)	3m (9.8 ft.)	30
QSFP26-05(X)	QSFP26-05-(XX)(X)	5m (16.4 ft.)	26

Use (X) to specify cable jacket: L = LS0H, blank = PVC  
 Use (XX) to specify color: 01 = Black, 02 = White, 03 = Red, 06 = Blue

Plug	
Backshell Material	Nickel Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Plastic Material	PA66
Latch	Positive Latching w/Pull Tab
Insertion Force	40N (8.9 lbf.) Max
Withdrawal Force	30N (6.7 lbf.) Max
Retention Force	90N (20.2 lbf.) Min
Durability	250 Cycles
Tightest Recommended Vertical Spacing (Belly to Belly)	11.80mm (0.46 in.) Center to Center
Tightest Recommended Vertical Spacing (Stacked)	17.50mm (0.69 in.) Center to Center
Cable	
Conductor	Solid
Wire Gauge	30 AWG to 24 AWG
Impedance	100 +/- 5 ohms
Construction	Twinaxial
Cable OD	30 AWG = 6.50mm (0.26 in.)
	28 AWG = 7.49mm (0.29 in.)
	26 AWG = 8.61mm (0.34 in.)
Jacket Type	PVC or LS0H
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated

## Maximum Lengths

Gauge	IBTA DDR	IBTA QDR <sup>1</sup>	IEEE 802.3ba
30	5m (16.4 ft.)	3m (9.8 ft.)	3m (9.8 ft.)
28	7m (22.9 ft.)	4m (13.1 ft.)	4m (13.1 ft.)
26	8m (26.2 ft.)	5m (16.4 ft.)	5m (16.4 ft.)
24	10m (32.8 ft.)	6m (19.7 ft.)	n/a

<sup>1</sup> Per IBTA cable MOI V0.69: -13dB @5GHz

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.

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