

# QSFP+ FDR Passive Copper Assemblies

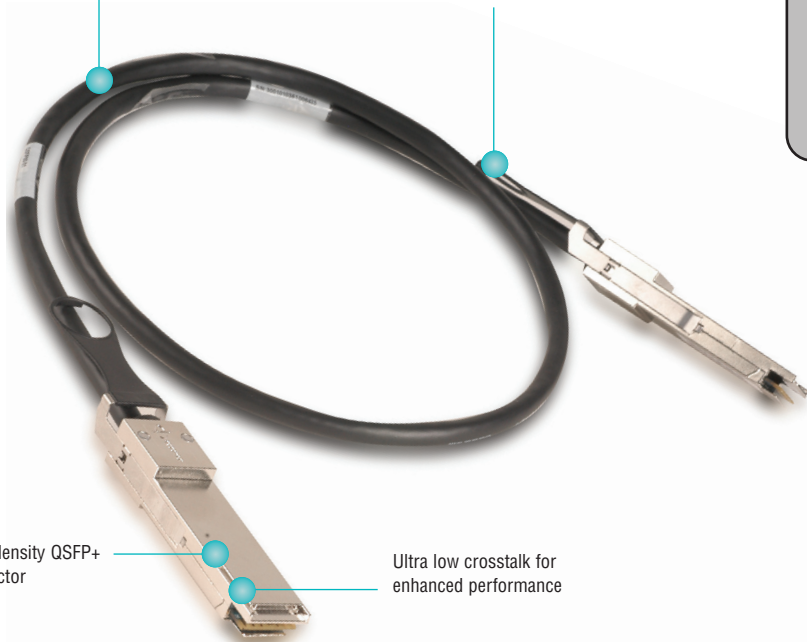
Siemon QSFP+ FDR Copper Cable assemblies provide 56 Gb/s of bandwidth (4 x 14 Gb/s). These QSFP+ (SFF-8436) cables exceed industry standards to support DDR, QDR, FDR and emerging 4 x 16 Gb/s applications. Siemon's QSFP+ Fourteen Data Rate assemblies are a high-density, cost-effective, low-power option for leading edge 56 Gbs high-speed data centers, available in standard lengths up to 3 meters with longer custom lengths available upon request.

Multiple conductor sizes available

Positive retention pull-release latch system

High-density QSFP+ connector

Ultra low crosstalk for enhanced performance



**STANDARDS COMPLIANCE**

- Electrical: IBTA V2 Revision 1.3, IEEE 802.3ba
- SFF-8436, SFF-8636
- RoHS

**APPLICATIONS**

- InfiniBand 4X SDR, DDR, QDR
- Ethernet 10G, 40G
- Fiber Channel 10G, 40G, SAN, 4x16G
- RapidIO
- Myrinet 40G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Networking
- Storage
- Hubs, switches, routers, servers

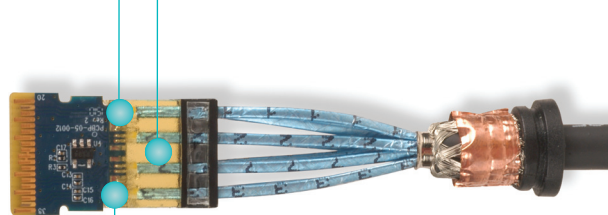
## PCB Termination

Laser stripped conductors

Overmould provides additional strain relief to minimise pistoning

Automated welding for unmatched consistency

Welding results in less dielectric shrink-back than soldering



# 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
Flammability Rating (Plastics)	UL 94
Green Features	RoHS, Lead-Free
Shield	Braid/Foil
Marking	Mfg Name, Part#, Date Code

Plug	
Backshell Material	Nickel Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Plastic Material	Nylon
Latch	Positive Latching w/Pull Tab
Insertion Force	40N Max
Withdrawal Force	30N Max
Retention Force	90N Min
Durability	250 Cycles
Tightest Recommended Vertical Spacing (Belly to Belly)	11.80 mm Center to Center
Tightest Recommended Vertical Spacing (Stacked)	17.50 mm Center to Center
Cable	
Conductor	Solid
Wire Gauge	30 AWG to 24 AWG
Impedance	100 +/- 5 ohms
Construction	Twinaxial
Cable OD	30 AWG = 6.1mm
	28 AWG = 8.7mm
Jacket Type	PVC
Bend Radius	5X Cable OD -Single 10X Cable OD - Repeated

## Ordering Information:

QSFP+ to QSFP+ FDR Passive Copper Cable Assemblies

Part Number	Length	Gauge
QSFPFDR30-01	1m	30
QSFPFDR30-02	2m	30
QSFPFDR28-03	3m	28

## Maximum Lengths

Gauge	IBTA DDR	IBTA QDR	IEEE 802.3ba	IBTA FDR
30	5m	3m	3m	2m
28	7m	4m	4m	3m

Note: Contact Customer Service for additional lengths.

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