

# CXP to 3 QSFP+ 40/100G Passive Copper Cable Assemblies

Siemon CXP to 3 QSFP+ Copper Cable assemblies allow users to connect CXP and QSFP+ equipment together. Compliant with both CXP and QSFP+ specifications, this breakout cable provides a cost effective, low-power option for high density high-speed data center interconnects. The CXP form factor can replace up to three standard QSFP+ connections, providing greater density and reduced system cost. The direct-attach assemblies support emerging 100Gb/s applications and are available in standard lengths up to 3 meters with longer custom lengths available.

Multiple conductor sizes available

Positive retention pull-release latch system



High-density CXP connector

Ultra low crosstalk for enhanced performance

### STANDARDS COMPLIANCE

#### QSFP+ End

- SFF-8436

#### CXP End

- SFF-8642

#### Assembly

- IEE 802.3ba
- IBTA V2 Revision 1/3
- RoHS

### APPLICATIONS

- InfiniBand 12xSDR, 12xDDR, 12xQDR
- Ethernet 10G, 40G, 100G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Networking, NIC
- Storage: DAS, SAN, NAS
- Hubs, switches, routers, servers

# 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

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	CXP: 150N (33.7 lbf.) Max QSFP+: 40N (8.9 lbf.) Max
Withdrawal Force	CXP: 50N (11.2 lbf.) Max QSFP+: 30N (6.7 lbf.) Max
Durability	250 Cycles
CXP Tightest Recommended Horizontal Spacing	27.00mm (0.54 in.) Center to Center
CXP Tightest Recommended Vertical Spacing (Stacked)	16.50mm (0.65 in.) Center to Center
Cable	
Conductor	Solid
Wire Gauge	30 AWG to 26 AWG
Impedence	100 +/- 5 ohms
Construction	Twinaxial
Cable OD	30AWG = 9.5mm (0.37 in.)
	28AWG = 11mm (0.43 in.)
Jacket Type	PVC
Bend Radius	5X Cable OD -Single
	10X Cable OD - Repeated

## Ordering Information:

CXP to QSFP+ Passive Copper Cable Assemblies

Part Number	Length	Gauge
CXPQSFP30-01	1m (3.3 ft.)	30
CXPQSFP30-02	2m (6.6 ft.)	30
CXPQSFP28-03	3m (9.8 ft.)	28

## Maximum Lengths

Gauge	IBTA DDR	IBTA QDR	IEEE 802.3ba
30	4m (13.1 ft.)	2m (6.6 ft.)	2m (6.6 ft.)
28	6m (19.7 in.)	3m (9.8 ft.)	3m (9.8 ft.)

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

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