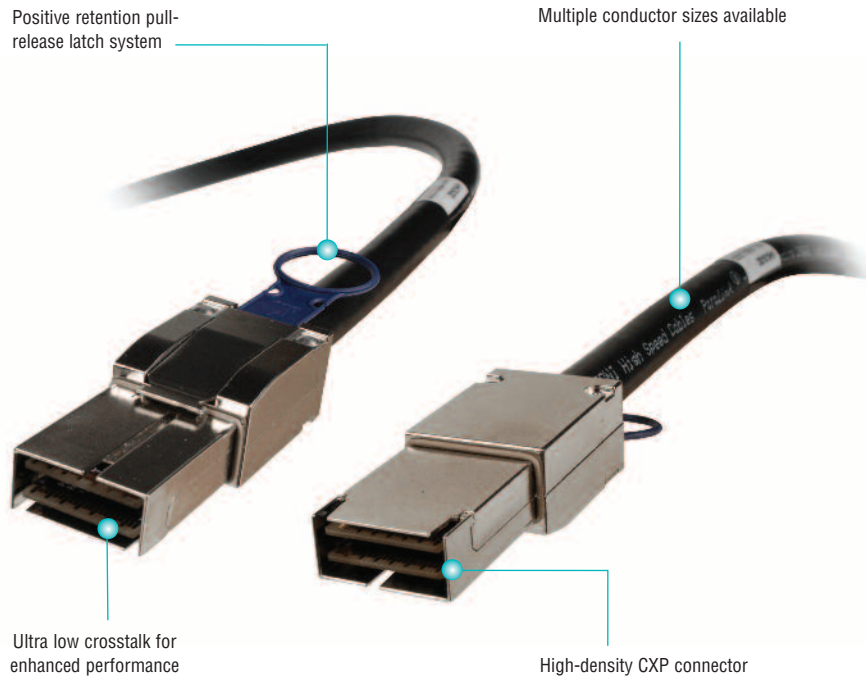


# CXP 100G Passive Copper Cable Assemblies

Siemon CXP Copper Cable assemblies were developed for high-density applications, offering a cost-effective, low-power option for high-speed data center interconnects. The CXP form factor can replace up to three standard QSFP+ connections, providing greater density and reduced system cost. These direct attached assemblies support 12 channels of 10Gb/s (QDR) for 120Gb/s InfiniBand, or 10 channels of 10Gb/s for 100Gb/s (IEEE 802.3ba) and are available in standard lengths up to 4 meters with longer custom lengths available.



#### STANDARDS COMPLIANCE

- SFF-8642
- IBTA V2 Revision 1.3
- IEEE 802.3ba
- 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	150N (33.7 lbf.) Max
Withdrawal Force	30N (6.7 lbf.) Max
Durability	250 Cycles
Tightest Recommended Vertical Spacing (Belly to Belly)	27.00mm (1.06 in.) Center to Center
Tightest Recommended Vertical Spacing (Stacked)	16.50mm (0.65 in.) Center to Center
Cable	
Conductor	Solid
Wire Gauge	30 AWG, 28 AWG and 27 AWG
Impedance	100 +/- 5 ohms
Construction	Twinaxial
Cable OD	30 AWG = 9.5mm (0.37 in.)
	28 AWG = 11mm (0.43 in.)
	27 AWG = 13.8mm (0.54 in.)
Jacket Type	PVC
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated

## Ordering Information:

CXP to CXP Passive Copper Cable Assemblies

Part Number	Length	Gauge
CXP30-01	1m (3.3 ft.)	30
CXP30-02	2m (6.6 ft.)	30
CXP28-03	3m (9.8 ft.)	28
CXP27-04	4m (13.1 ft.)	27

## Maximum Lengths

Gauge	IBTA DDR	IBTA QDR	IEEE 802.3ba
30	4m (13.1 ft.)	2m (6.6 ft.)	2m (6.6 ft.)
28	7m (22.9 ft.)	3m (9.8 ft.)	3m (9.8 ft.)
27	7m (22.9 ft.)	3m (9.8 ft.)	3m (9.8 ft.)

CXP27-04 is not guaranteed to meet IBTA QDR or IEEE 802.3ba insertion loss requirements.

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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