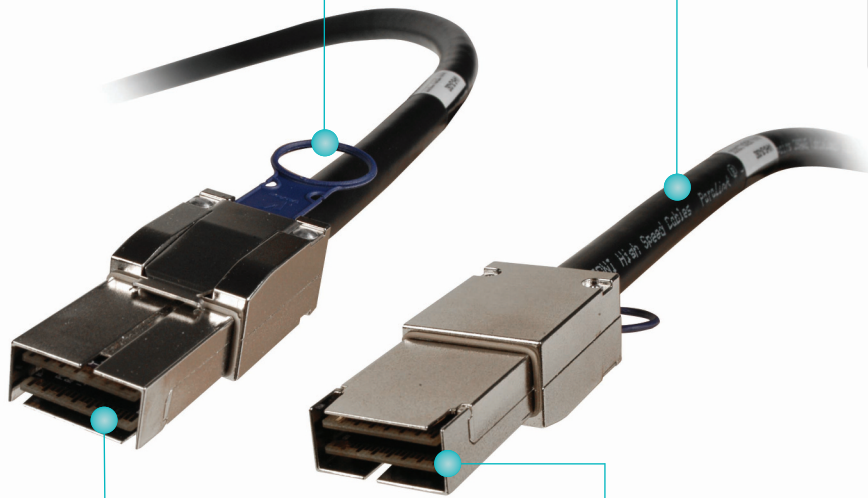


CXP Passive Copper Assemblies

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 10 Gb/s (QDR) for 120 Gb/s InfiniBand, or 10 channels of 10 Gb/s for 100 Gb/s (IEEE 802.3ba) and are available in standard lengths up to 4 meters with longer custom lengths available.

Positive retention pull-release latch system

Multiple conductor sizes available



Ultra low crosstalk for enhanced performance

High-density CXP connector

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
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 Max
Withdrawal Force	30N Max
Durability	250 Cycles
Tightest Recommended Vertical Spacing (Belly to Belly)	27.00mm Center to Center
Tightest Recommended Vertical Spacing (Stacked)	16.50mm Center to Center
Cable	
Conductor	Solid
Wire Gauge	30 AWG, 28 AWG and 27 AWG
Impedence	100 +/- 5 ohms
Construction	Twinaxial
Cable OD	30 AWG = 9.5mm
	28 AWG = 11mm
	27 AWG = 13.8mm
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	30
CXP30-02	2m	30
CXP28-03	3m	28
CXP27-04	4m	27

Maximum Lengths

Gauge	IBTA DDR	IBTA QDR	IEEE 802.3ba
30	4m	2m	2m
28	7m	3m	3m
27	7m	3m	3m

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

Note: Contact Customer Service for additional lengths.

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