

QSFP28 to 2 QSFP28 50/100G Passive Copper Cable Assemblies

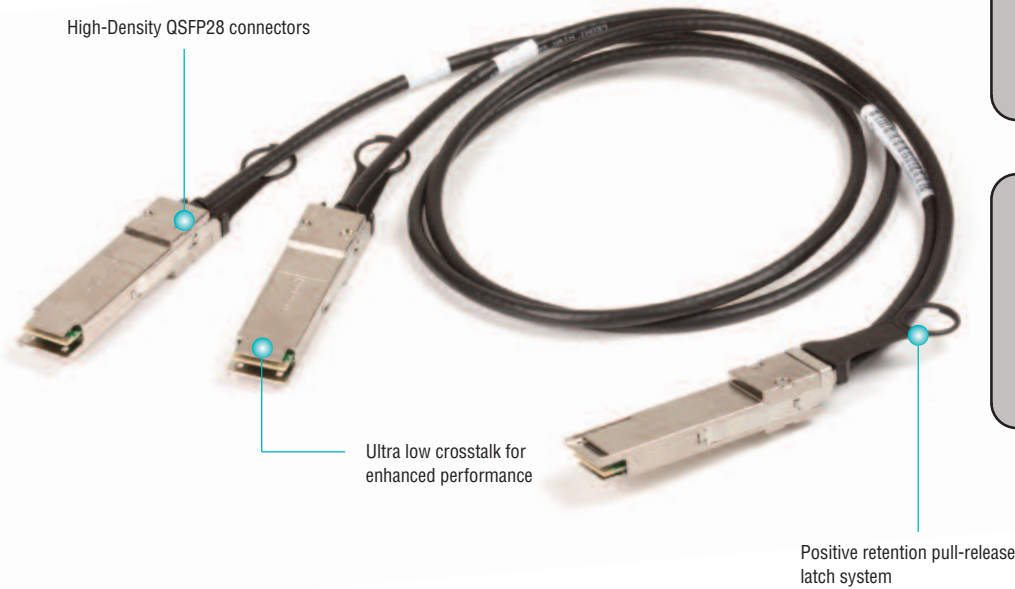
Siemon QSFP28 to 2 QSFP28 Passive Copper Cable assemblies exceed 100G Ethernet (100GBASE-CR4) specifications. They are designed for high-density applications, offering a cost-effective low-power option for high-speed data center interconnects. This next generation product shares the same mating interface with QSFP+ (SFF-8436) form factors, making it backward compatible with existing QSFP+ ports. These direct attach cable assemblies are available in standard lengths up to 5 meters (16.4 ft.) for support of up to 50/100G (2x50G) Ethernet applications.

STANDARDS COMPLIANCE

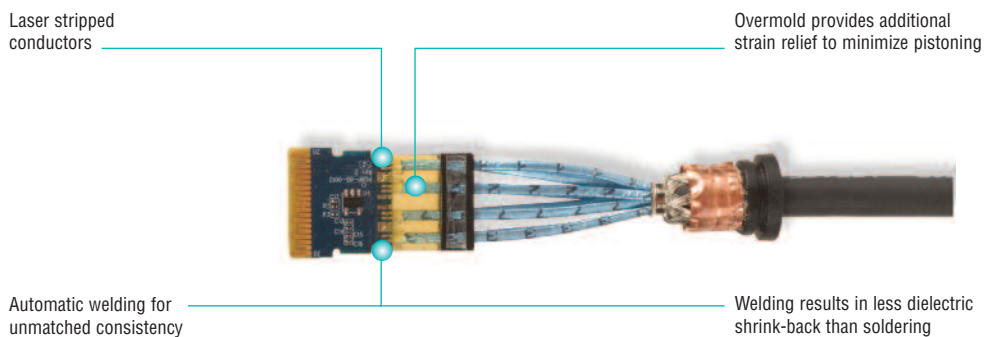
- Electrical: IEEE 802.3by, IEEE 802.3bj
- SFF-8636, SFF-8661, SFF-8665, SFF-8679
- RoHS

APPLICATIONS

- Ethernet 10G, 25G, 40G, 100G (25GBASE-CR, 100GBASE-CR4)
- Intra-Rack System, Top of Rack (ToR), Middle of Rack (MoR)
- Switch, Storage, Server, NIC
- Switch-to-Switch, Switch-to-Server



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	-5 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

Ordering Information:

QSFP28 to 2 QSFP28 Passive Copper Cable Assemblies

Part Number	Length	Gauge
Q2Q28P300.5-01(X)	0.5m (1.6 ft.)	30
Q2Q28P301.0-01(X)	1m (3.3 ft.)	30
Q2Q28P301.5-01(X)	1.5m (4.9 ft.)	30
Q2Q28P302.0-01(X)	2m (6.6 ft.)	30
Q2Q28P262.5-01(X)	2.5m (8.2 ft.)	26
Q2Q28P263.0-01(X)	3m (9.8 ft.)	26
Q2Q28P265.0-01(X)*	5m (16.4 ft.)	26

Use (X) to specify jacket: L = LSOH, P = PVC

All cables compliant to IEEE 802.3by, CA-N. Will work with or without FEC unless otherwise noted.

*Compliant to IEEE 802.3bj, CA-L. Will work with RS-FEC..

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

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Plug	
Backshell Material	Nickel Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Latch	Positive Latching with Nylon Pull Tab
Insertion Force	40N (9.0 lbf.) Max
Withdrawal Force	30N (6.7 lbf.) Max
Retention Force	90N (20.2 lbf.) Min
Durability	250 Cycles Min
Cable	
Conductor	Solid
Wire Gauge	30 AWG and 26 AWG
Impedence	100 +/- 10 ohms
Construction	Twinaxial
Cable OD	30 AWG = 4.1mm (0.16 in.)
	26 AWG = 4.8mm (0.18in.)
Jacket Type	PVC or LSOH
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated

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