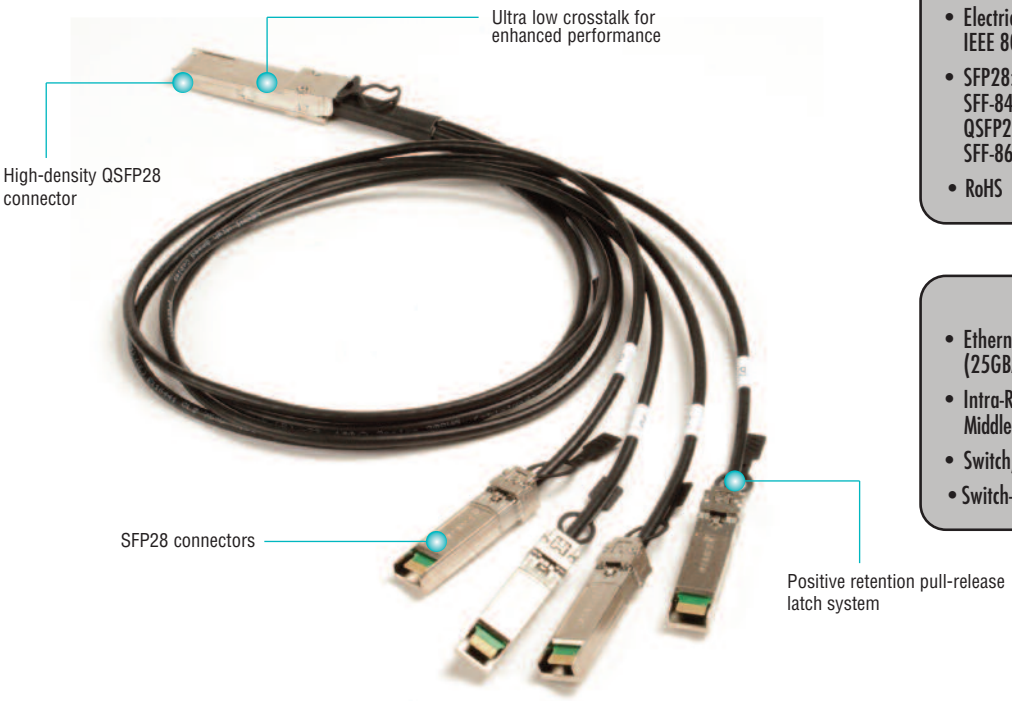
QSFP28 to 4 SFP28 25/100G Passive Copper Cable Assemblies

Siemon QSFP28 to 4 SFP28 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) and SFP+ (SFF-8431) form factors, making it backward compatible with existing QSFP+ and SFP+ equipment ports. These direct attach cable assemblies are available in standard lengths up to 5 meters (16.4 ft.) for support of up to 100G (4x25G) Ethernet applications.



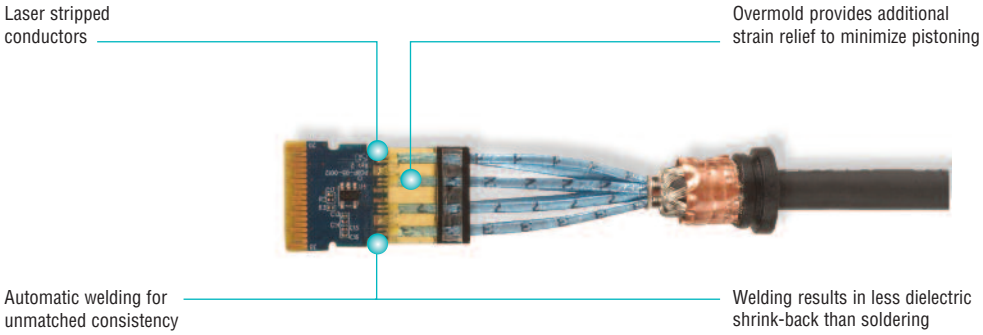
STANDARDS COMPLIANCE

- Electrical: IEEE 802.3by, IEEE 802.3bj
- SFP28: SFF-8402, SFF-8419, SFF-8437, SFF-8472
  QSFP28: 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 MΩ
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

Plug	
Backshell Material	Nickel Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Latch	Positive Latching with Nylon Pull Tab
Insertion Force	QSFP28: 40N (9.0 lbf.) Max SFP28: 18N (4.0 lbf.) Max
Withdrawal Force	QSFP28: 30N (6.7 lbf.) Max SFP28: 12.5N (2.8 lbf.) Max
Retention Force	90N (20.2 lbf.) Min
Durability	QSFP28: 250 Cycles Min SFP28: 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 (0.18 in.)
Jacket Type	PVC or LS0H
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated

Ordering Information:

QSFP28 to 4 SFP28 Passive Copper Cable Assemblies

Part Number	Length	Gauge
Q4S28P300.5-01(X)	0.5m (1.6 ft.)	30
Q4S28P301.0-01(X)	1m (3.3 ft.)	30
Q4S28P301.5-01(X)	1.5m (4.9 ft.)	30
Q4S28P302.0-01(X)	2m (6.6 ft.)	30
Q4S28P262.5-01(X)	2.5m (8.2 ft.)	26
Q4S28P263.0-01(X)	3m (9.8 ft.)	26
Q4S28P265.0-01(X)*	5m (16.4 ft.)	26

Use (X) to specify jacket: L = LS0H, 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.*

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

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