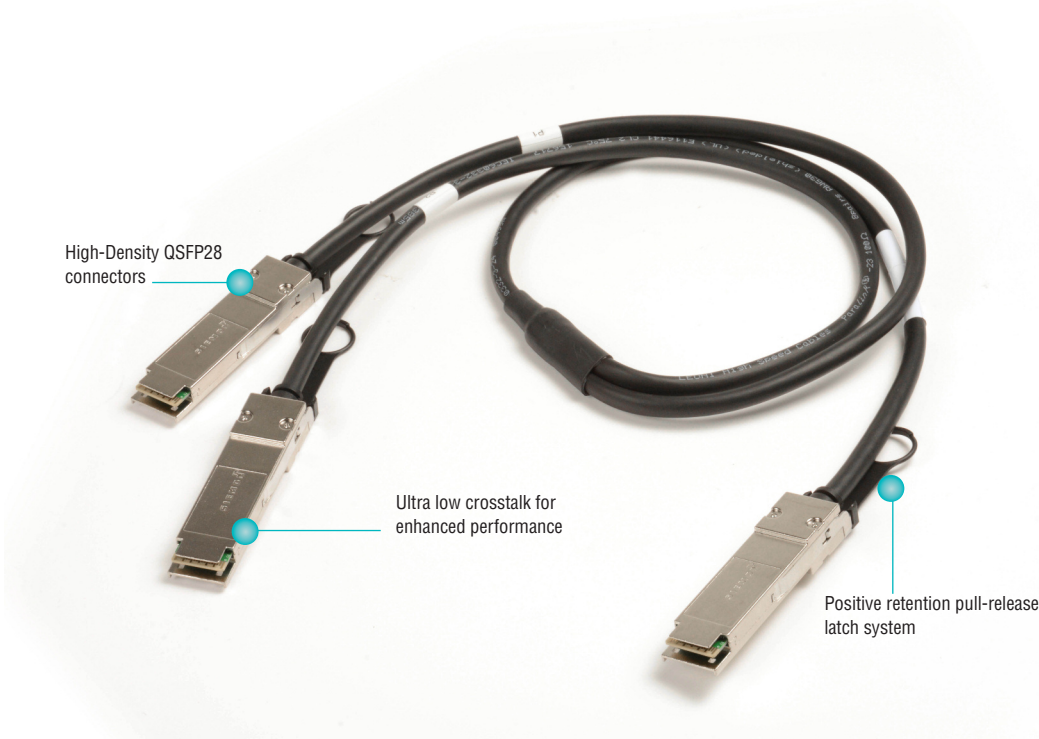


QSFP28 to 2 QSFP28 50/100G Passive Copper Assemblies

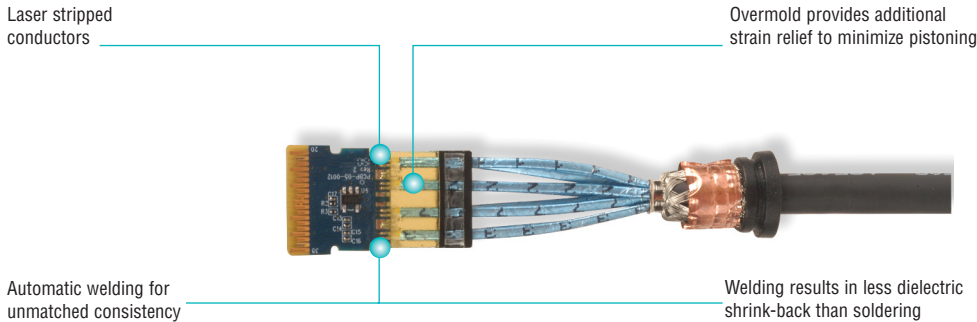
Siemon Interconnect Solutions QSFP28 to 2 QSFP28 Passive Copper Cable assemblies exceed 100G Ethernet (100GBASE-CR4) specifications. They are designed for high-density applications, offering a cost-effective low-power option for high-speed data center interconnects. This next generation product shares 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 50/100G 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 |

| 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 (0.18in.) |
| Jacket Type | PVC |
| Bend Radius | 5X Cable OD - Single 10X Cable OD - Repeated |
| Color | Black |

Ordering Information:

QSFP28 to 2 QSFP28 Passive Copper Cable

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

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.

**Worldwide Headquarters
North America**
Watertown, CT USA
Phone (1) 860 945 4200

**Regional Headquarters
Europe Russia Africa**
Chertsy, Surrey, England
Phone (44) 0 1932 571771

**Regional Headquarters
China**
Shanghai, P.R. China
Phone (86) 215385 0303

**Regional Headquarters
Latin America**
Bogota, Colombia
Phone (571) 657 1950/51/52

**Regional Headquarters
India Middle East**
Dubai, United Arab Emirates
Phone (971) 4 3689743

**Regional Headquarters
Asia Pacific**
Sydney, Australia
Phone (86) 21 5385 0303

**Siemon Interconnect Solutions
Watertown, CT USA**
Phone (1) 860 945 4213 US
www.siemon.com/SIS