Siemon hybrid cables allow users to break out 40GB QSFP+ ports to four individual single lane 10G SFP+ ports. They offer a cost-effective, low-power option for high-speed data center interconnects. The direct attach assemblies support 4 lanes of 10Gb/s (40Gb/s composite) and are available in standard lengths up to 5 meters with longer custom lengths available.

Applications

- Infiniband SDR, DDR, QDR
- Ethernet 10G, 40G
- Rack-to-Rack
- Top-of-Rack
- Switch-to-Switch
- Switch-to-Server
- Networking
- Storage
- Hubs
- Routers
- Servers
- NIC

QSFP+ to 4 SFP+ 10/40G
Direct Attach Copper Cables

PCB Termination

- Laser stripped conductors
- Automated welding for unmatched consistency
- Overmold provides additional strain relief to minimize pistoning
- Welding results in less dielectric shrink-back than soldering

SFF-8431 Compliant SFP+ connector

Positive retention pull-release latch system

Multiple conductor sizes available

Ultra low crosstalk for enhanced performance

www.siemon.com
Ordering Information:

QSFP+ to 4 SFP+ Passive Copper Cable Assemblies

<table>
<thead>
<tr>
<th>Part Number (Black PVC)</th>
<th>Part Number (Black CM/LS0H)</th>
<th>Length</th>
<th>Gauge</th>
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<tr>
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<td>SFPPQSFP3000.5L</td>
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<td>SFPPQSFP3001L</td>
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<td>SFPPQSFP2802.5L</td>
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</tbody>
</table>

**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
- Latch: Positive Latching w/Pull Tab
- Insertion Force: QSFP+: 40N (8.9 lbf.) Max
  SFP+: 30N (6.7 lbf.) Max
- Withdrawal Force: QSFP+: 30N (6.7 lbf.) Max
  SFP+: 20N (4.5 lbf.) Max
- Retention Force: 90N (20.2 lbf.) Min
- Durability: QSFP+: 250 Cycles Min
  SFP+: 50 Cycles Min

**Cable**
- Conductor: Solid
- Wire Gauge: 30 AWG and 28 AWG
- Impedance: 100 +/- 5 ohms
- Construction: Twinaxial
- Cable OD: 30 AWG = 4.2mm (0.165 in.)
  28 AWG = 4.7mm (0.185 in.)
- Jacket Type: PVC or CM/LS0H
- Bend Radius: 5X Cable OD - Single
  10X Cable OD - Repeated

**Standards Compliance**

**QSFP+ End**
- ITBA V2 Revision 1.3, IEEE 802.3ba
- SFF-8438, SFF-8436
- RoHS

**SFP+ End**
- SFF-8431
- SFF-8432
- SFF-8472
- RoHS

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