

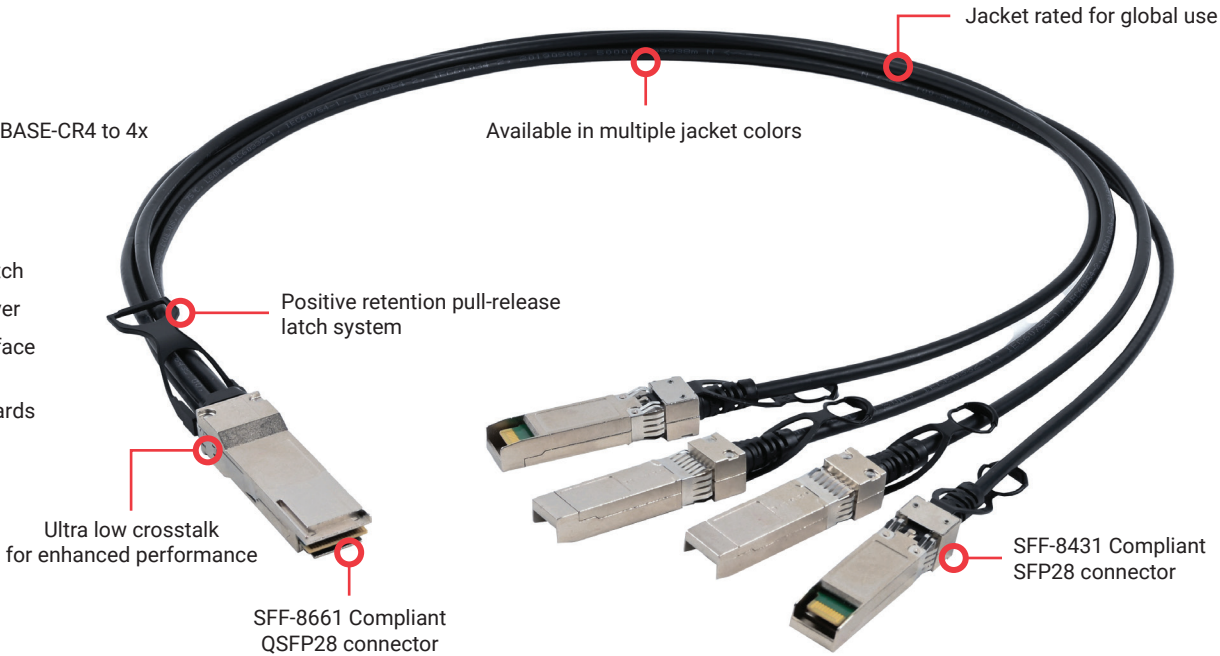
QSFP28 to 4 SFP28 100G/25G Breakout Direct Attach Copper Cables

Regional Availability - Global

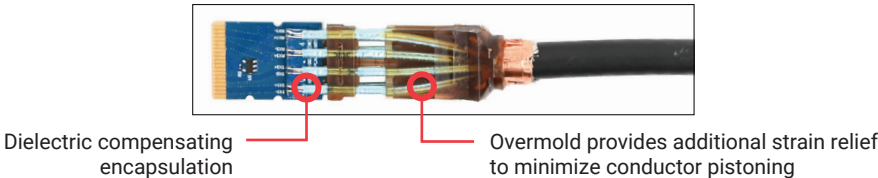
Siemon QSFP28 100G passive breakout DAC cables allow users to separate QSFP28 100G ports to four individual single lane SFP28 25G ports. They are designed to exceed industry standard performance offering a cost-effective, low latency, low-power option for high-speed data center interconnects. The direct attach assemblies (DAC) support 4 lanes of 25G (100G composite) and are available in standard lengths up to 5 meters.

Applications

- Ethernet 100GBASE-CR4 to 4x 25GBASE-CR
- Top-of-Rack
- Rack-to-Rack
- Switch-to-Switch
- Switch-to-Server
- Network Interface Adapter
- Accelerator Cards
- Storage
- Routers
- Servers



PCB Termination



Please contact us with any questions regarding specific application such as custom labeling, immersion cooling or packaging requirements.

Color-Coded Cable Clips

Our QSFP pull tab are designed to work with the color-coded cable clips; they can be used to designate different networks or speeds. Color-coded cable clips are available in 8 different colors.

Part Number	Description
CLIP-CBL-40-(XX)	Color-coded cable clip, 4mm (0.16 in.), bag of 25 clips

Use (XX) to specify color:

- | | | | |
|------------|-------------|------------|-------------|
| 02 = White | 04 = Grey | 06 = Blue | 08 = Violet |
| 03 = Red | 05 = Yellow | 07 = Green | 09 = Orange |



Ordering Information

QSFP28 to 4 SFP28 Passive Copper Cable Assemblies

Part Number	Length	Gauge
Q4S28P301.0-(XX)L	1m (3.3 ft.)	30AWG
Q4S28P301.5-(XX)L	1.5m (4.9 ft.)	30AWG
Q4S28P302.0-(XX)L	2m (6.6 ft.)	30AWG
Q4S28P262.5-(XX)L	2.5m (8.2 ft.)	26AWG
Q4S28P263.0-(XX)L	3m (9.8 ft.)	26AWG
Q4S28P265.0-(XX)L*	5m (16.4 ft.)	26AWG

Use (XX) to specify color: 01 = Black, 02 = White, 03 = Red, 06 = Blue

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 only work with RS-FEC.

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 75° C (23 to 167° F)
Flammability Rating (Plastics)	UL 94, CM/LS0H
Environmental	RoHS, REACH, Lead-Free
Shield	Braid/Foil
Jacket Legend	UL Number, Flammability Ratings, Cable Date Code

Connector

Backshell Material	Nickel Plated Zinc Alloy Die-cast
Contact Material	PCB with Gold-Plated Pads
Latch	Positive Latching with Pull Tab
Insertion Force	QSFP28: 60N (13.5 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	250 Cycles MIN

Cable

Conductor	Solid
Wire Gauge	30AWG and 26AWG
Impedence	100± 10 ohms
Construction	Twinaxial
Cable OD	30AWG = 4.6mm (0.18 in.) 26AWG = 5.6mm (0.22 in.)
Jacket Type	CM/LS0H
Bend Radius	7X Cable OD - Single 15X Cable OD - Repeated

Standards Compliance

QSFP28 End	IEEE 802.3by, IEEE 802.3bj SFF-8636, SFF-8661, SFF-8665, SFF-8697 RoHS, REACH
SFP28 End	IEEE 802.3by SFF-8402, SFF-8419, SFF-8432 RoHS, REACH

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

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