

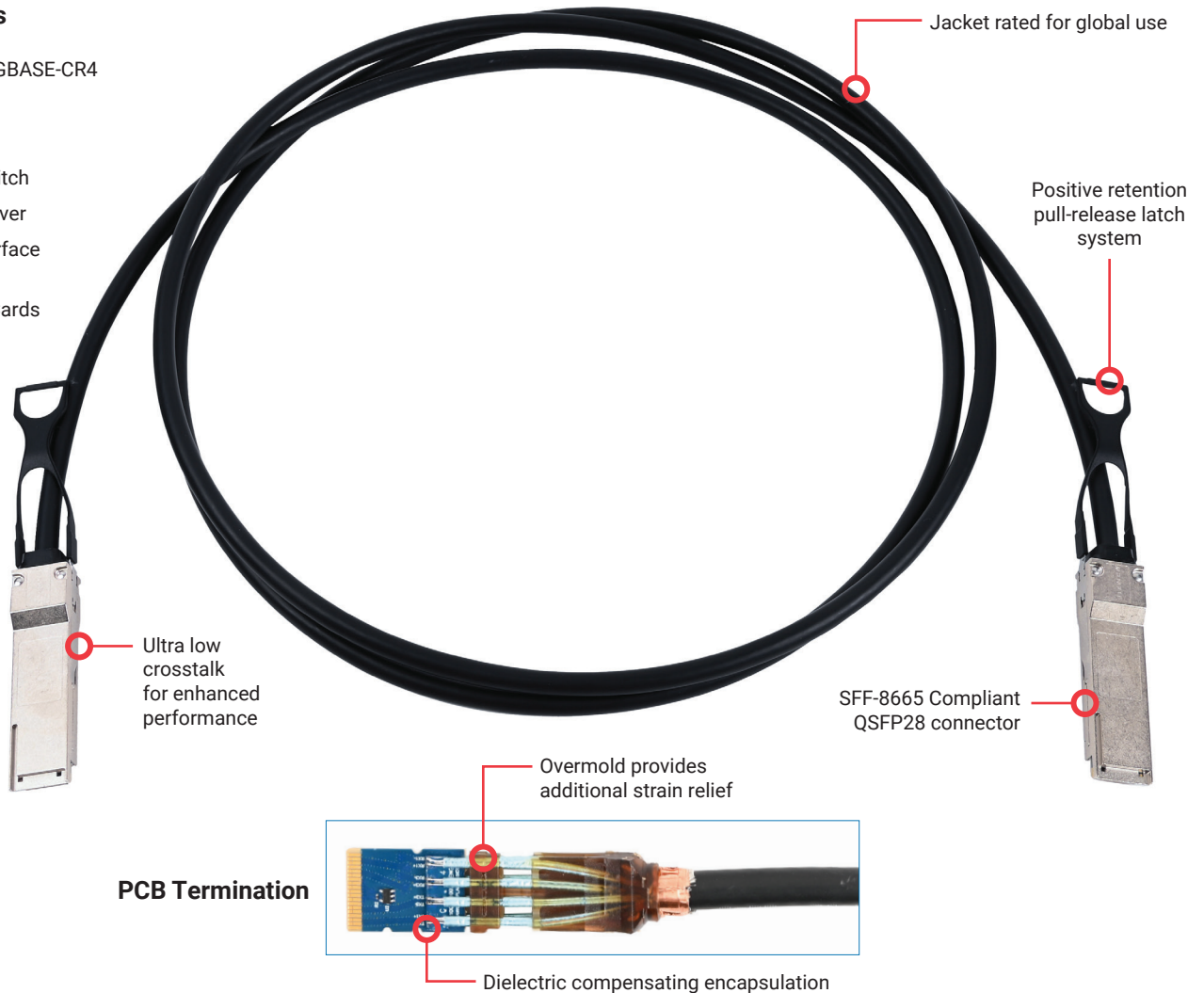
# QSFP28 100G Direct Attach Copper Cables

Regional Availability - Global

Siemon QSFP28 100G passive Direct Attach Copper Cable assemblies 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 cable assemblies (DAC) support 100G applications and are available in standard lengths up to 4.5 meters.

## Applications

- Ethernet 100GBASE-CR4
- 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 Siemon's 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: CLIP-CBL-40-(XX)

Description: 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

# Product Information

## Performance Specifications

### Electrical

<b>MIN Dielectric Withstand Voltage</b>	300 VDC
<b>Insulation Resistance</b>	1000 MΩ
<b>Current Rating</b>	0.5 Amp MIN/Signal Contact

### General

<b>Operating Temperature</b>	-5 to 75°C (23 to 167°F)
<b>Flammability Rating (Plastics)</b>	UL 94, CM/LS0H
<b>Environmental</b>	RoHS, REACH, Lead-Free
<b>Shield</b>	Braid/Foil
<b>Jacket Legend</b>	UL Number, Flammability Ratings, Cable Date Code

### Connector

<b>Backshell Material</b>	Nickel Plated Zinc Alloy Die-cast
<b>Contact Material</b>	PCB with Gold-Plated Pads
<b>Latch</b>	Positive Latching with Pull Tab Release
<b>Insertion Force</b>	60N (13.5 lbf.) MAX
<b>Withdrawal Force</b>	30N (6.7 lbf.) MAX
<b>Retention Force</b>	90N (20.2 lbf.) MIN
<b>Durability</b>	250 Cycles MIN

### Cable

<b>Conductor</b>	Solid	
<b>Impedance</b>	100 ± 5 ohms	
<b>Construction</b>	Twinaxial	
<b>Jacket Type</b>	CM/LS0H	
<b>Wire Gauge</b>	30 AWG	26 AWG
	Cable OD	7.5 mm (0.30 in.) 9.8 mm (0.39 in.)
	Single Bend Radius	7X Cable OD 7X Cable OD
	Repeated Bend Radius	15X Cable OD 15X Cable OD

### Standards Compliance

IEEE 802.3by, IEEE 802.3bj
SFF-8636, SFF-8661, SFF-8665, SFF-8697
RoHS, REACH

## Ordering Information

QSFP28 to QSFP28 Passive Copper Cable Assemblies

Length		Standard Part Number*	Gauge	No FEC Part Number**	Gauge
0.5m	1.6 ft.	<b>Q1Q28P300.5F01L</b>	30AWG	<b>Q1Q28P300.5-01L</b>	30AWG
1.0m	3.3 ft.	<b>Q1Q28P301.0F01L</b>	30AWG	<b>Q1Q28P301.0-01L</b>	30AWG
1.5m	4.9 ft.	<b>Q1Q28P301.5F01L</b>	30AWG	<b>Q1Q28P301.5-01L</b>	30AWG
2.0m	6.6 ft.	<b>Q1Q28P302.0F01L</b>	30AWG	<b>Q1Q28P302.0-01L</b>	30AWG
2.5m	8.2 ft.	<b>Q1Q28P302.5F01L</b>	30AWG	<b>Q1Q28P262.5-01L</b>	26AWG
3.0m	9.8 ft.	<b>Q1Q28P303.0F01L</b>	30AWG	<b>Q1Q28P263.0-01L</b>	26AWG
4.5m	14.8 ft.	<b>Q1Q28P264.5F01L</b>	26AWG		

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

\*\*Compliant to IEEE 802.3by, CA-N

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



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