

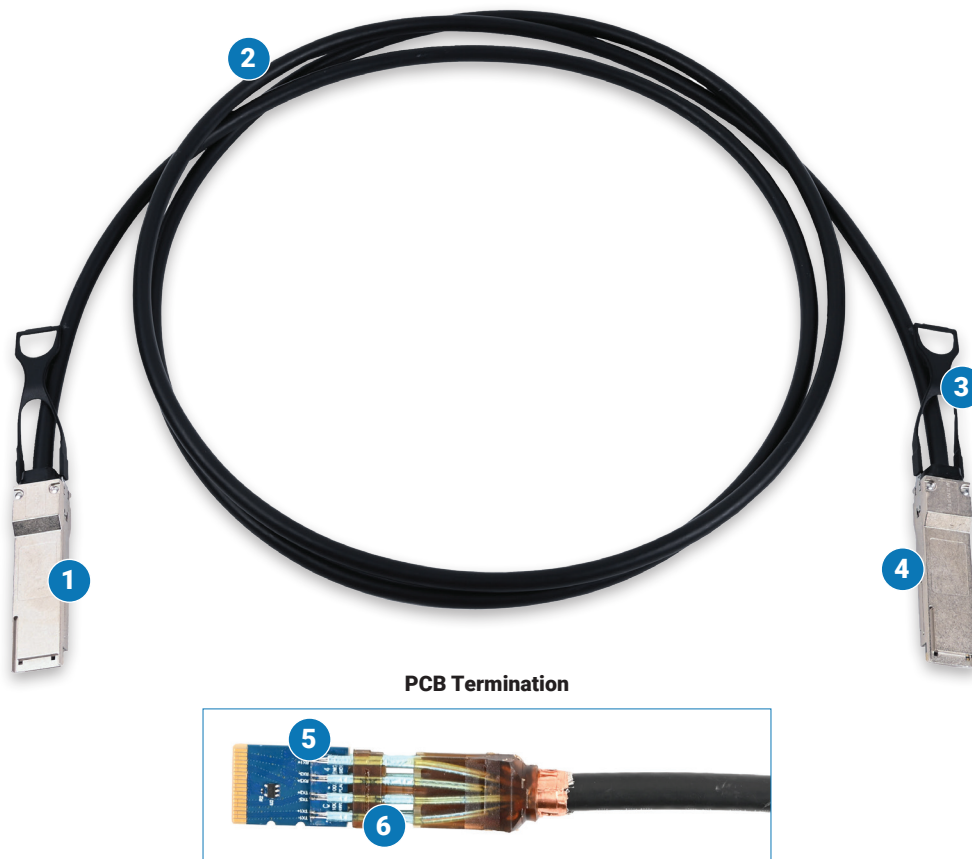
Direct Attach Copper Cables

200G PAM4 Ethernet QSFP56

Regional Availability – Global



Siemon's QSFP56 200G PAM4 Ethernet 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 200G PAM4 applications and are available in standard lengths up to 3.0 meters.



PCB Termination

1. Ultra-Low Crosstalk for Enhanced Performance

2. Jacket Rated for Global Use

3. Positive Retention Pull-Release Latch System

4. SFF Compliant QSFP56 Connector

5. Dielectric Compensating Encapsulation

6. Overmold Provides Additional Strain Relief

Applications

- Ethernet 200G BASE-CR4
- Top-of-Rack
- Rack-to-Rack
- Switch-to-Switch
- Switch-to-Server
- Network Interface Adapter
- Accelerator Cards
- Storage
- Routers
- Servers

Standards Compliance

- IEEE 802.3cd
- SFF-8636, SFF-8661, SFF-8665, SFF-8697
- RoHS, REACH

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

Product Information

PHYSICAL PROPERTIES – PLUG

BACKSHELL MATERIAL	Nickel-Plated Zinc Die-Cast
CONTACT MATERIAL	PCB with Gold-Plated Pads
LATCH	Positive Latching with Pull Tab Release
INSERTION FORCE	60N (13.5 lbf.) Max
WITHDRAWAL FORCE	30N (6.7 lbf.) Max
RETENTION FORCE	90N (20.2 lbf.) Min
DURABILITY	250 Cycles Min

GENERAL PROPERTIES

OPERATING TEMPERATURE	-5 to 75°C (23 to 167°F)
FLAMMABILITY RATING	UL 94, CM/LSOH
GREEN FEATURES	RoHS, Lead-Free and REACH
SHIELD	Braid/Foil
JACKET MARKING	UL Number, Flammability Ratings, Cable Date Code

PHYSICAL PROPERTIES – CABLE

CONDUCTOR	Solid
WIRE GAUGE	30 AWG and 26 AWG
IMPEDANCE	100± 5 ohms
CONSTRUCTION	Twinaxial
CABLE OD	30 AWG = 7.5mm (0.30 in.)
	26 AWG = 9.8mm (0.42 in.)
JACKET TYPE	CM/LSOH
BEND RADIUS	7X Cable OD – Single 15X Cable OD – Repeated

ELECTRICAL PROPERTIES

MIN. DIELECTRIC WITHSTAND VOLTAGE	300 VDC
INSULATION RESISTANCE	1000 Mohms
CURRENT RATING	0.5 Amp Min/Signal Contact

Ordering Information

200G PAM4 Ethernet QSFP56

Part Number	Length	Gauge
Q1Q-56P00.5-4DB	0.5m (1.6 ft.)	30 AWG
Q1Q-56P01.0-4DB	1.0m (3.3 ft.)	30 AWG
Q1Q-56P01.5-4DB	1.5m (4.9 ft.)	30 AWG
Q1Q-56P02.0-4DB	2.0m (6.6 ft.)	30 AWG
Q1Q-56P02.5-4BB	2.5m (8.2 ft.)	26 AWG
Q1Q-56P03.0-4BB	3.0m (9.8 ft.)	26 AWG

Color-Coded Cable Clips

Our QSFP pull tabs 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	Description
CLIP-CBL-40-(XX)	Color-coded cable clip, 4mm (0.16 in.), Bag of 25 clips

Use (XX) to specify color: 02 = White, 03 = Red, 04 = Grey, 05 = Yellow, 06 = Blue, 07 = Green, 08 = Violet, 09 = Orange



SCAN TO DOWNLOAD
SPEC SHEET

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

North America
P: (1) 860 945 4200

Mexico
P: (521) 556 387 7708/09/10

Latin America
P: (571) 657 1950/51/52

Europe
P: (44) 0 1932 571771

Asia Pacific
P: (61) 2 8977 7500

Siemon OEM Technologies
P: (1) 860 945 4213
www.siemon.com/OEM

China
P: (86) 215385 0303

India, Middle East & Africa
P: (971) 4 3689743