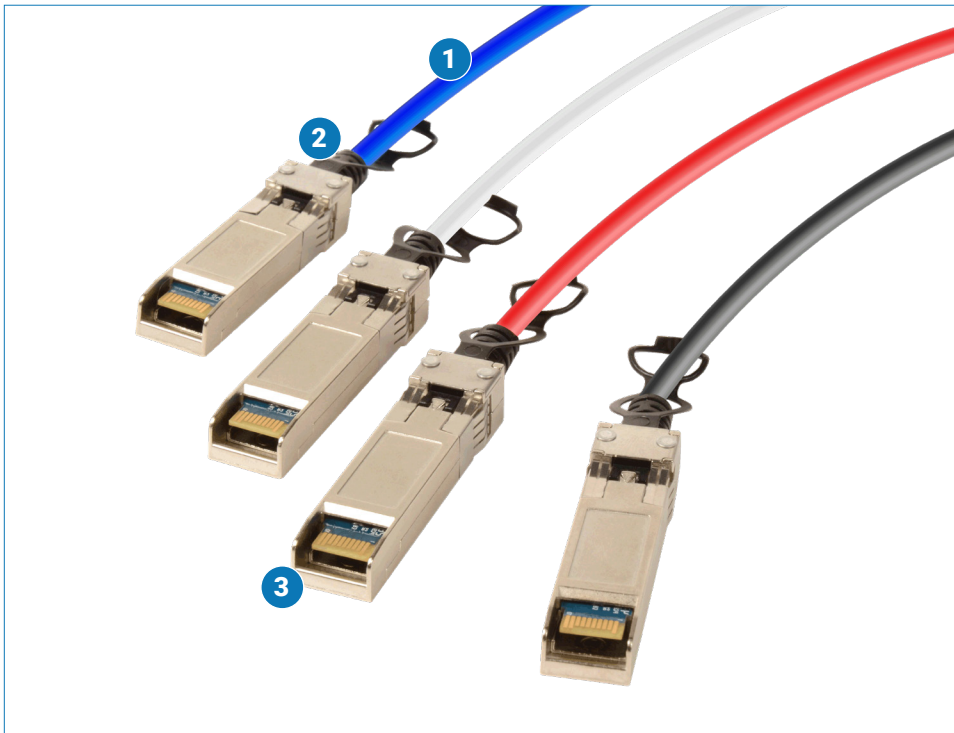


# SFP28 25G Cisco Compatible Direct Attach Copper Passive Cables

Regional Availability – Global



Cisco Compatible SFP28 cables from Siemon were developed specifically as a cost-effective and lower-power alternative to optical modules for short reach links in high-speed interconnect applications such as top-of-rack switching to server connections used in Cloud computing. The assemblies support data transfer rates up to 25GbE, meeting or exceeding current network standards. Cisco Compatible SFP28 passive copper cable assemblies are programmed specifically to work with Cisco network equipment.



## PCB Termination



1. Multiple CM/LS0H Rated Cable Jacket Colors Available

2. Bend Relief

3. SFF-8432 Compliant SFP28 Connector

4. Dielectric Compensating Encapsulation

5. Additional Strain Relief Overmold

## Applications

- Ethernet 25GBASE-CR1
- Top-of-Rack
- Switch-to-Server
- Rack-to-Rack
- Switch-to-Switch
- Network Interface Adapter
- Storage
- Routers
- Servers

## Standards Compliance

- Electrical: SFF-8419
- Mechanical: SFF-8432
- EEPROM: SFF-8472
- RoHS/REACH

## PHYSICAL PROPERTIES – PLUG

BACKSHELL MATERIAL	Nickel-Plated Zinc Diecast
CONTACT MATERIAL	PCB with Gold-Plated Pads
LATCH	Positive Latching with Nylon Pull Tab
INSERTION FORCE	18N (4.0 lbf.) Max
WITHDRAWAL FORCE	12.5N (2.8 lbf.) Max
RETENTION FORCE	90N (20.2 lbf.) Max
DURABILITY	250 Cycles Min

## PHYSICAL PROPERTIES – CABLE

CONDUCTOR	Silver-Plated Solid Copper
WIRE GAUGE	30 AWG and 26 AWG
IMPEDANCE	100 +- 10 ohms
CONSTRUCTION	Twinaxial
CABLE OD	30 AWG = 4.5mm (0.177 in.) 26 AWG = 5.2mm (0.204 in.)
JACKET TYPE	CL2/LS0H
BEND RADIUS	5X Cable OD - Single 10X Cable OD - Repeated
CHANNELS	1 Lane - Bidirectional

## ELECTRICAL PROPERTIES

MIN. DIELECTRIC WITHSTAND VOLTAGE	300 VDC
INSULATION RESISTANCE	1000 Mohms
CURRENT RATING	0.5 Amp Min/Signal Contact
POWER CONSUMPTION	600mw Max

## GENERAL PROPERTIES

OPERATING TEMPERATURE	-10 to 70°C (14 to 158°F)
FLAMMABILITY RATING	UL CL2 FT4
GREEN FEATURES	RoHS, Lead-Free and REACH
SHIELD	Braid/Foil
JACKET MARKING	Part Number, Date Code

# Ordering Information

Part Number – Black	Part Number – Colored	Length	Gauge
SFPG-P-D00.5B01	SFPG-P-D00.5B(XX)	0.5m (1.64 ft.)	30 AWG
SFPG-P-D01.0B01	SFPG-P-D01.0B(XX)	1m (3.28 ft.)	30 AWG
SFPG-P-D01.5B01	SFPG-P-D01.5B(XX)	1.5m (4.92 ft.)	30 AWG
SFPG-P-D02.0B01	SFPG-P-D02.0B(XX)	2m (6.56 ft.)	30 AWG
SFPG-P-B02.5B01	SFPG-P-B02.5B(XX)	2.5m (8.2 ft.)	26 AWG
SFPG-P-B03.0B01	SFPG-P-B03.0B(XX)	3m (9.84 ft.)	26 AWG
SFPG-P-B04.0B01	SFPG-P-B04.0B(XX)	4m (13.2 ft.)	26 AWG
SFPG-P-B05.0B01	SFPG-P-B05.0B(XX)	5m (16.40 ft.)	26 AWG

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

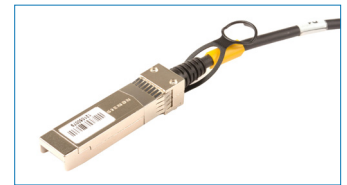
All cables compliant to IEEE 802.3by, CA-N. Will work with or without FEC unless otherwise noted.

## Color-Coded Cable Clips

Our color-coded cable clips are designed to be highly visible, have a secure fit to the cable and easily field attachable to Siemon SFP+ cables. With 8 available colors to choose from, these color-coded cable clips provide Data Center Administrators the ability to customize their cables to clearly differentiate and identify various networks.

Part Number	Description
CLIP-CBL-50-(XX)	Color-coded cable clip, 30 and 28 AWG, bag of 25 clips
CLIP-CBL-62-(XX)	Color-coded cable clip, 26 and 24 AWG, 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



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

**Asia Pacific**  
P: (61) 2 8977 7500

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

**Europe**  
P: (44) 0 1932 571771

**China**  
P: (86) 215385 0303

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

**Siemon Interconnect Solutions**  
P: (1) 860 945 4213  
www.siemon.com/SIS

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