

SFP+ 10G Cisco Compatible

Direct Attach Copper Passive and Active Cables

Cisco Compatible SFP+ 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 high-performance computing (HPC), top-of-rack switching and network storage. The assemblies support data transfer rates up to 10G, meeting or exceeding current network standards.

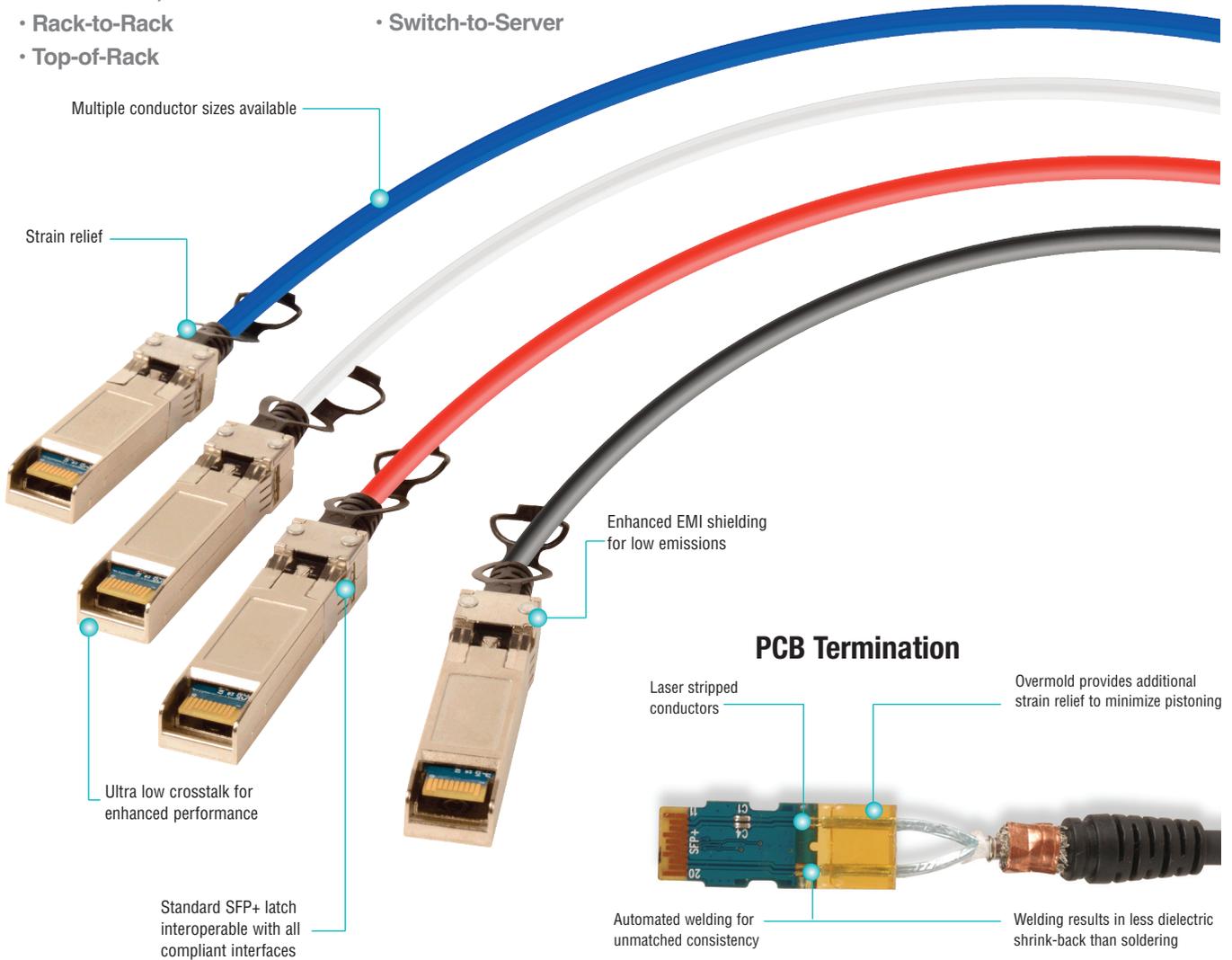
Cisco Compatible SFP+ active and passive copper cable assemblies are programmed specifically to work with Cisco network equipment. When used with Cisco equipment they will not trigger the warning message that a non-Cisco transceiver has been detected. These cables do not violate Cisco's warranty.

These SFP+ fully-shielded assemblies combine twin-axial shielded cable configuration with robust die cast housings for enhanced support of high frequency data rates. These SFP+ assemblies are impedance matched to ensure interoperability and minimize EMI leakage through their fully-shielded design.

The active cables use low power consumption equalizers within the connector to extend the length that copper cables can reach beyond the limits of passive copper solutions while minimizing the cable's gauge.

Applications

- Ethernet 1G, 10G
- Rack-to-Rack
- Top-of-Rack
- Switch-to-Switch
- Switch-to-Server



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Direct Attach Copper Passive and Active Cables

Ordering Information / Part Numbers:

SFP+ Passive/Active Copper Cable Assemblies

Black PVC	Colored PVC	Black CM/LSOH	Colored CM/LSOH	Length	Gauge	Type
SFPH10GBCU0.5MS	SFPH10GB0.5MS(XX)	SFPH10GB0.5M01L	SFPH10GB0.5M(XX)L	0.5m (1.6 ft.)	30	Passive
SFPH10GBCU1MS	SFPH10GB1MS(XX)	SFPH10GB1.0M01L	SFPH10GB1.0M(XX)L	1m (3.3 ft.)	30	Passive
SFPH10GBCU1.5MS	SFPH10GB1.5MS(XX)	SFPH10GB1.5M01L	SFPH10GB1.5M(XX)L	1.5m (4.9 ft.)	30	Passive
SFPH10GBCU2MS	SFPH10GB2MS(XX)	SFPH10GB2.0M01L	SFPH10GB2.0M(XX)L	2m (6.6 ft.)	30	Passive
SFPH10GBCU2.5MS	SFPH10GB2.5MS(XX)	SFPH10GB2.5M01L	SFPH10GB2.5M(XX)L	2.5m (8.2 ft.)	30	Passive
SFPH10GBCU3MS	SFPH10GB3MS(XX)	SFPH10GB3.0M01L	SFPH10GB3.0M(XX)L	3m (9.8 ft.)	30	Passive
SFPH10GBCU3.5MS	SFPH10GB3.5MS(XX)	SFPH10GB3.5M01L	SFPH10GB3.5M(XX)L	3.5m (11.5 ft.)	30	Passive
SFPH10GBCU4MS	SFPH10GB4MS(XX)	SFPH10GB4.0M01L	SFPH10GB4.0M(XX)L	4m (13.1 ft.)	26	Passive
SFPH10GBCU5MS	SFPH10GB5MS(XX)	SFPH10GB5.0M01L	SFPH10GB5.0M(XX)L	5m (16.4 ft.)	24	Passive
SFPH10GBACU7MS	SFPH10GBA7MS(XX)	SFPH10GBA7M01L	SFPH10GBA7M(XX)L	7m (23.0 ft.)	28	Active
SFPH10GBACU8MS	SFPH10GBA8MS(XX)	SFPH10GBA8M01L	SFPH10GBA8M(XX)L	8m (26.2 ft.)	28	Active
SFPH10GBACU9MS	SFPH10GBA9MS(XX)	SFPH10GBA9M01L	SFPH10GBA9M(XX)L	9m (29.5 ft.)	28	Active
SFPH10GBACU10MS	SFPH10GBA10MS(XX)	SFPH10GBA10M01L	SFPH10GBA10M(XX)L	10m (32.8 ft.)	28	Active

Color Options Available:

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

PERFORMANCE SPECIFICATIONS

Electrical		Cable		Plug	
Min. Dielectric Withstand Voltage	300 VDC	Conductor	Solid	Backshell Material	Nickel-Plated Zinc Diecast
Insulation Resistance	1000 Mohms	Wire Gauge	30 AWG to 24 AWG	Contact Material	PCB with Gold-Plated Pads
Current Rating	0.5 Amp Min/Signal Contact	Impedance	100± 5 ohms	Latch	Positive Latching w/ Pull
Power Consumption (SFPH10GBA Active Cables)	600mw Max	Construction	Twinaxial	Insertion Force	30N (6.7 lbf.) Max
General		Cable OD	30 AWG = 4.2mm (0.165 in.)	Withdrawal Force	20N (4.5 lbf.) Max
Operating Temperature	-10 to 70° C (14 to 158° F)		28 AWG = 4.7mm (0.185 in.)	Retention Force	90N (20.2 lbf.) Max
Flammability Rating	UL 94 V-0		26 AWG = 5.2mm (0.204 in.)	Durability	50 Cycles Min
Green Features	RoHS, Lead-Free		24 AWG = 6mm (0.236 in.)	Standards Compliance	
Shield	Braid/Foil	Jacket Type	PVC or CM/LSOH	Electrical	SFF-8431, SFF-8083
Marking	Mfg Name, Part #, Date Code	Bend Radius	5X Cable OD	Mechanical	SFF-8432
				EEPROM	SFF-8472
				RoHS	

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#	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.

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