

SFP+ Copper Cable Assemblies

SFP+ copper cable assemblies from Siemon Interconnect Solutions (SIS) 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), enterprise networking including top-of-rack switching and network storage markets. The assemblies support data transfer rates up to 10+ Gb/s per lane, meeting or exceeding current standards specifications.

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.

Multiple conductor sizes available to achieve maximum performance

Enhanced EMI shielding for low emissions

Ultra low crosstalk for enhanced performance

Standard SFP+ latch interoperable with all compliant interfaces

Bend relief

APPLICATIONS

- InfiniBand SDR, DDR and QDR
- Ethernet
- Fiber Channel 8, 10G
- FCoE 10G
- Networking
- Storage
- Hubs, switches, routers, servers, NICs

STANDARDS COMPLIANCE

- Electrical: SFF-8431, SFF-8083
- Mechanical: SFF-8432
- EEPROM: SFF-8472

PCB Termination

Laser stripped conductors

Automated welding for unmatched consistency

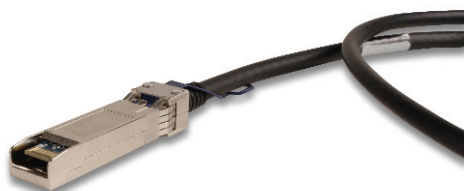
Overmold provides additional strain relief to minimize pistoning

Welding results in less dielectric shrink-back than soldering

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Performance Specifications:

Electrical	
Min. Dielectric Withstand Voltage	300 VDC
Insulation Resistance	1000 Mohms
Current Rating	0.5 Amp Min/Signal Contact
General	
Operating Temperature	-10 to 70 °C, (14 to 158 °F)
Flammability Rating	UL 94 V-0
Green Features	RoHS, Lead-Free
Shield	Braid/Foil
Marking	Mfg Name, Part#, Date Code



Ordering Information:

SFP+ Passive Copper Cable Assembly, Double-ended, Black

Part Number	Length (Meters)	Gauge
SFPP30-00.5	0.5	30
SFPP30-01	1	30
SFPP30-01.5	1.5	30
SFPP30-02	2	30
SFPP30-02.5	2.5	30
SFPP30-03	3	30
SFPP28-05	5	28
SFPP24-07	7	24

Note: Contact customer service for additional lengths and wire gauges

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

Plug	
Backshell Material	Nickel-Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Latch	Positive Latching w/Pull
Insertion Force	30N Max
Withdrawal Force	20N Max
Retention Force	90N Max
Durability	50 Cycles Min
Cable	
Conductor	Solid
Wire Gauge	30 AWG to 24 AWG
Impedance	100± 5 ohms
Construction	Twinaxial
Cable OD	30 AWG = 4.5mm (0.177 in)
	28 AWG = 4.70mm (0.185 in)
	26 AWG = 5.2mm (0.205 in)
	24 AWG = 6.2mm (0.244 in)
Jacket Type	PVC
Bend Radius	5X Cable OD

For additional resource information:

Visit our web site at www.siemon.com/SIS

Siemon Interconnect Solutions

Watertown, CT USA

Phone (1) 860 945-4213

E-Mail - Customer Service. - IS_customerservice@siemon.com

E-Mail - Technical Support. - IS_techsupport@siemon.com