

# SFP28 25G Passive Copper Cable Assemblies

Siemon SFP28 Passive Copper Cable assemblies exceed 25G Ethernet (25GBASE-CR) specifications. They are designed for high-density applications, offering a cost-effective, low-power option for high-speed data center interconnects. This next generation product shares the same mating interface with SFP+ (SFF-8431) form factors, making it backward compatible with existing SFP+ ports. These direct attach cable assemblies are available in standard lengths up to 5 meters (16.4 ft.) for support of up to 25G Ethernet applications.

Positive retention pull-release latch system

### STANDARDS COMPLIANCE

- Electrical: IEEE 802.3by
- SFF-8402, SFF-8419, SFF-8432, SFF-8472
- RoHS

### APPLICATIONS

- Ethernet 10G, 25G (25GBASE-CR)
- Intra-Rack System, Top of Rack (ToR), Middle of Rack (MoR)
- Switch, Storage, Server, NIC
- Switch-to-Switch, Switch-to-Server

SFP28 connector

Ultra low crosstalk for enhanced performance

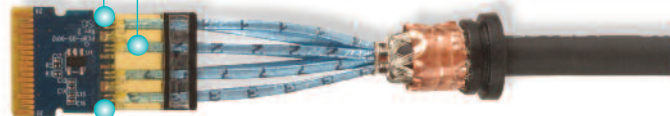
## PCB Termination

Laser stripped conductors

Overmold provides additional strain relief to minimize pistoning

Automatic welding for unmatched consistency

Welding results in less dielectric shrink-back than soldering



# Product Information

## PERFORMANCE SPECIFICATIONS

Electrical	
Min. Dielectric Withstand Voltage	300 VDC
Insulation Resistance	1000 Mohms
Current Rating	0.5 Amp Min/Signal Contact
General	
Operating Temperature	-5 to 70° C (32 to 158° F)
Flammability Rating (Plastics)	UL 94
Green Features	RoHS, Lead-Free
Shield	Braid/Foil
Marking	Mfg Name, Part #, Date Code

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.) Min
Durability	250 Cycles Min
Cable	
Conductor	Solid
Wire Gauge	30 AWG and 26 AWG
Impedence	100 +/- 10 ohms
Construction	Twinaxial
Cable OD	30 AWG = 4.1mm (0.16 in.)
	26 AWG = 4.8mm (0.18 in.)
Jacket Type	PVC or LSOH
Bend Radius	5X Cable OD - Single
	10X Cable OD - Repeated

## Ordering Information:

SFP28 to SFP28 Passive Copper Cable Assemblies

Part Number	Length	Gauge
S1S28P300.5-01(X)	0.5m (1.6 ft.)	30
S1S28P301.0-01(X)	1m (3.3 ft.)	30
S1S28P301.5-01(X)	1.5m (4.9 ft.)	30
S1S28P302.0-01(X)	2m (6.6 ft.)	30
S1S28P262.5-01(X)	2.5m (8.2 ft.)	26
S1S28P263.0-01(X)	3m (9.8 ft.)	26
S1S28P265.0-01(X)*	5m (16.4 ft.)	26

Use (X) to specify jacket: L = LSOH, P = PVC

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

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

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

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