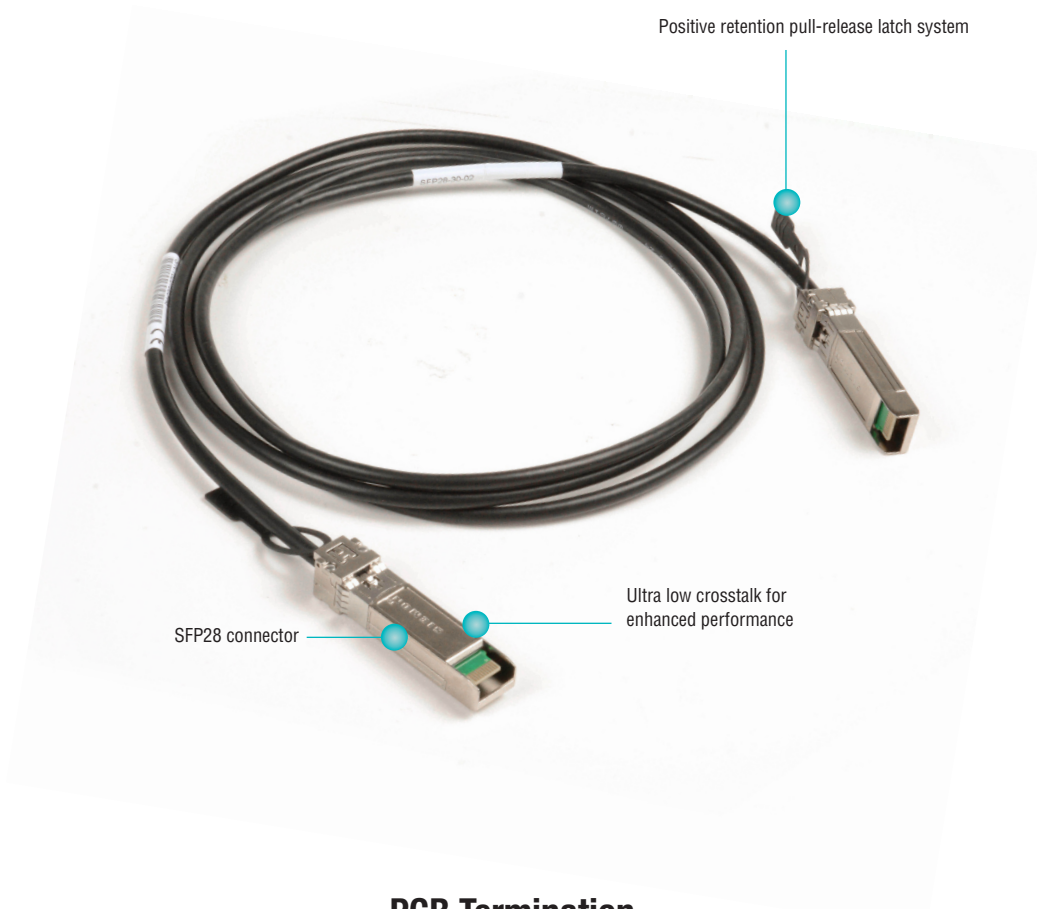


SFP28 25G Passive Copper Assemblies

Siemon Interconnect Solutions 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 25G Ethernet applications.



Positive retention pull-release latch system

SFP28 connector

Ultra low crosstalk for enhanced performance

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

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	QSFP28: 40N (9.0 lbf.) Max SFP28: 18N (4.0 lbf.) Max
Withdrawal Force	QSFP28: 30N (6.7 lbf.) Max SFP28: 12.5N (2.8 lbf.) Max
Retention Force	90N (20.2 lbf.) Min
Durability	QSFP28: 250 Cycles Min SFP28: 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 (0.18in.)
Jacket Type	PVC
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated
Color	Black

Ordering Information:

SFP28 to SFP28 Passive Copper Cable

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

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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