

SFP28 Passive Direct Attach Copper (DAC) Cable Assemblies

Low Power, Low Latency 25 Gb/s Server Interconnect Solution for Top of Rack Switching Applications



High bandwidth interconnects are required for next generation data centers. Panduit offers SFP28 Direct Attach Copper Cable Assemblies. These passive cables provide a cost-effective solution for interconnecting high speed 25GbE switches and servers. This high speed data transport capability is ideal as server virtualization becomes more prevalent. With multiple virtual machines, server I/O consolidation topology requires 25 Gb/s interconnects between top of rack switches and servers. By incorporating SFP28 Passive DAC Cable Assemblies into the physical infrastructure, businesses can achieve 25 Gigabit performance port-to-port without additional signal processing or conversion, providing a low power, low latency server interconnect for top of rack switching applications.

Key Features

Benefits

100% performance tested	Confidence that each assembly delivers specified performance for ensured network availability
Compliant to SFF-8402, SFF-8432, and SFF-8472	Ensuring 25 Gb/s performance when mated to any SFF-8402 SFP28 compliant host port
Robust construction	High speed 22 GHz twin-axial cable, with two shielded parallel pairs, factory terminated to SFP28 25 Gb/s hot pluggable modular connectors; rated to a minimum 250 mating cycles
Low latency performance	Ideal for high performance computer clustering and other latency sensitive applications
Passive low power assembly	Provides a low cost short reach interconnect option with no additional power draw
Low profile	Robust easy-to-use connector latching feature allows easy installation in belly-to-belly high density installations
Small diameter cable design	Enables proper cable management and improved air flow
Built-in strain relief	Ensures proper bend radius control for reliable deployment
Variety of lengths	1 to 5 meters (1 meter increments) for design flexibility and optimum airflow

Key Applications Include:

- Top of Rack Switching
- I/O Consolidation
- Fibre Channel Over Ethernet (FCOE)
- 25 Gigabit Ethernet
- 16 Gb/s Fibre Channel
- High Performance Computer Clustering

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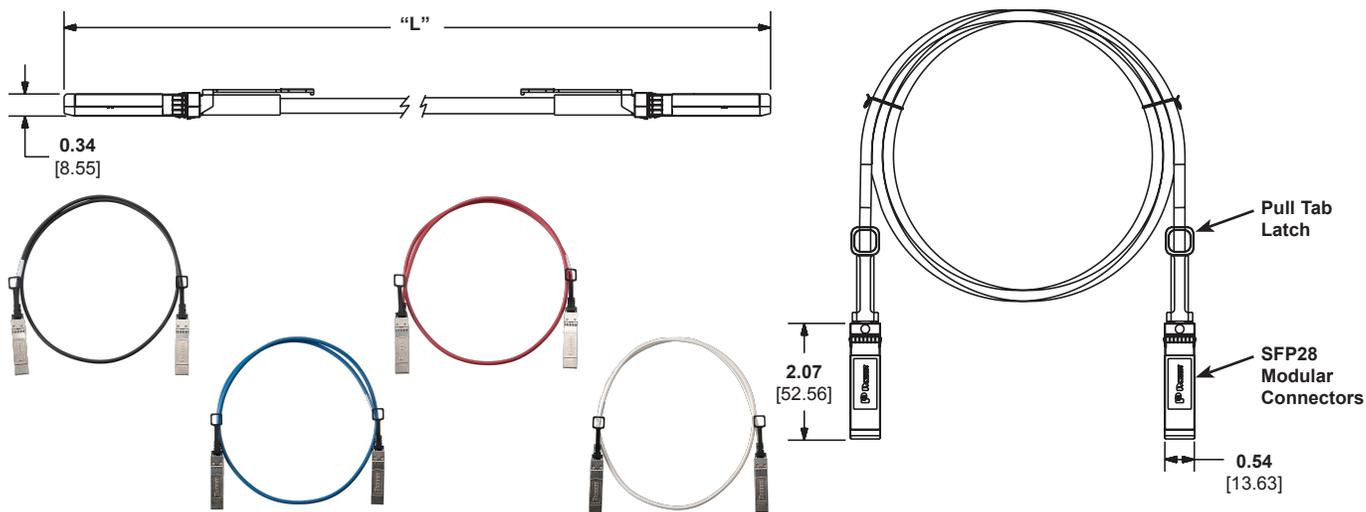
Technical Information

Characteristic impedance	100 ± 5 Ω
Temperature range	-25°C to 80°C (-13°F to 176°F)
IEC flame compliance	IEC 60332, 60333, 60324
Bend radius	5 x O.D. single time, 10 x O.D. repeated times
Insertion force to cage	18N (4 lbf.) maximum
Withdrawal force from cage	12.5N (2.8 lbf.) maximum
Retention force	90 – 170N (20 – 38 lbf.)
ROHS status	Compliant

Ordering Information

Part Number	Length (m)	Length (Ft.)	Cable Gauge	Nominal Cable O.D.		Cable Jacket
				mm	In.	
PSF2PZA1M**	1	3.3	30 AWG	4.1	0.161	PVC
PSF2PZA1.5M**	1.5	4.9	30 AWG	4.1	0.161	PVC
PSF2PZA2M**	2	6.6	30 AWG	4.1	0.161	PVC
PSF2PZA2.5M**	2.5	8.2	26 AWG	4.1	0.161	PVC
PSF2PZA3M**	3	9.8	30 AWG	4.1	0.161	PVC
PSF2PZC3.5M**	3.5	11.5	26 AWG	4.9	0.193	PVC
PSF2PZC4M**	4	13.1	26 AWG	4.9	0.193	PVC
PSF2PZC5M**	5	16.4	26 AWG	4.9	0.193	PVC

Replace ** with cable jacket colors: BL - Black, BU - Blue, RD - Red, WH - White



Dimensions are in inches. (Dimensions in parenthesis are metric).

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