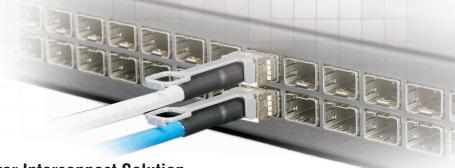


Extended Reach 10Gig[™] SFP+ Direct Attach Active Copper Cable Assemblies



Low Power, Low Latency 10 Gb/s Server Interconnect Solution

As virtualization, consolidation, and convergence initiatives continue to grow, so do the demands placed on the physical infrastructure. To meet the needs for faster processing speeds, low power server inter-connect and I/O consolidation deployments, Panduit offers 10Gig™ SFP+ Direct Attach Active Copper Cable Assemblies.

These active SFP+ copper cable assemblies contain low power circuitry in the connector to boost the signal and are driven from the port without additional power requirements. They provide a low cost alternative to optical transceivers, and are generally used for end of row or middle of row data center architectures for interconnect distances of up to 10 meters (33 feet).

End-to-end High Speed Data Transport (HSDT) solutions from Panduit deliver enhanced availability, agility, and security. Visit www.panduit.com/hsdt to learn more about how these solutions help customers manage risk across their physical infrastructure.

Key Features	Benefits Ideal for high performance computer clustering and other latency sensitive applications Provides a low cost interconnect alternative to optical transceivers that can be driven off the existing port power				
Low latency performance					
Low power active circuitry					
Small diameter cable design	Enables proper cable management and improved air flow				
Built-in strain relief	Ensures proper bend radius control for reliable deployment				
Robust construction	High speed 10 GHz twin-axial cable, with two shielded parallel pairs, factory terminated to SFP+ 10 Gb/s hot pluggable modular connectors; rated to a minimum 250 mating cycles				
Variety of extended reach lengths	Available in 3, 5 meters and 7 to 10 (one meter increments) for design flexibility in combination with end of row and middle of row deployment				
100% performance tested	Confidence that each assembly delivers specified performance for ensured network availability				
Compliant to SFF-8431, SFF-8432 and SFF-8472	Ensuring 10 Gb/s performance when mated to any SFF-8431 SFP+ compliant host port				
High density deployment	Robust easy-to-use latching feature allows high density belly-to-belly installation and deployments				
Variety of colors	Available in Blue, White, Black, Red, and Green for easy identification of multiple networks and fabrics				
Part of the Panduit Unified Physical Infrastructure SM solution	Designed to be integrated with Panduit NetAccess™ Cabinets for design flexibility, improved thermal and cable management				

Key Applications Include:

- End of Row/Middle of Row Switching architectures
- I/O Consolidation and server virtualization
- Fibre Channel over Ethernet (FCoE)

- 10 Gigabit Ethernet
- 10 GbE High Performance Computer Clusters

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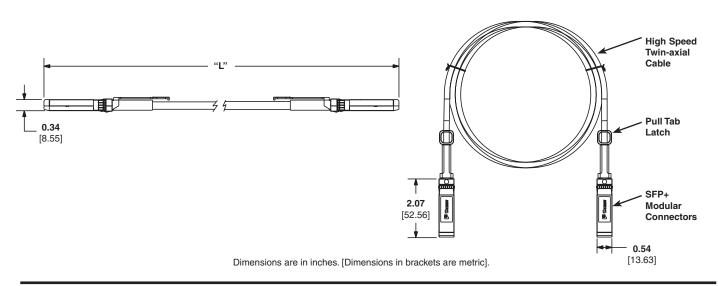
Technical/Performance Information

Characteristic impedance	100 +/- 5 Ω			
Operating temperature	0°C to 70°C (32°F to 158°F)			
Non-operating temperature	-40°C to 85°C (-40°F to 185°F)			
IEC flame compliance	IEC 60332-3-24			
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 – 170 N (20 – 38 lbf.)			
ROHS status	Compliant			
Durability	250 mating cycles minimum			
Power per end	0.5 W maximum			

Ordering Information

	Length	Length	Cable	Cable Gauge		Cable
Part Number	(m)	(Ft.)	Gauge	mm	ln.	Jacket
PSF1AXA3MBU	3	9.84	30 AWG	4.1	1.61	PVC
PSF1AXA5MBU	5	16.40	30 AWG	4.1	1.61	PVC
PSF1AXD7MBU	7	22.97	24 AWG	6	0.23	PVC
PSF1AXD8MBU	8	26.25	24 AWG	6	0.23	PVC
PSF1AXD9MBU	9	29.53	24 AWG	6	0.23	PVC
PSF1AXD10MBU	10	32.81	24 AWG	6	0.23	PVC

Note: For standard cable colors other than BU (Blue), replace BU in part number with WH (White), BL (Black), RD (Red), or GR (Green). Gray pull tab release represents an active SFP+ cable assembly.



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PANDUIT US/CANADA cs@panduit.com Phone: 800.777.3300 PANDUIT EUROPE LTD. London, UK cs-emea@panduit.com Phone: 44.20.8601.7200 PANDUIT SINGAPORE PTE. LTD. Republic of Singapore cs-ap@panduit.com Phone: 65.6305.7575 PANDUIT JAPAN Tokyo, Japan cs-japan@panduit.com Phone: 81.3.6863.6000 PANDUIT LATIN AMERICA Guadalajara, Mexico cs-la@panduit.com Phone: 52.33.3777.6000 PANDUIT AUSTRALIA PTY. LTD. Victoria, Australia cs-aus@panduit.com Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com or by phone: 800.777.3300

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F612D5-5F130Y F612D5-5F50Y F612D5-5F56Y F612D5-5F58Y F6L12D5-5F46 F912D5-5F11Y F912D5-5F170Y F912D5-5F175Y
F912D5-5F230Y F912D5-5F300Y F912D5-5F55Y F912D5-5F56Y F912D5-5F63Y F912D5-5F6Y F912D5-5F75Y F912D5-5F85Y
F912D5-5F86Y F912D5-5F88Y F912D5-5F96Y FAP0047WBLMTP FAP12WBRDRDDLCZ FAP12WDYLYLDLCZ
FAP12WEORORDLCZ FAP6WEORORDLCZ FAP6WFDBDBDLCZ FAP8WEORORDLCZ FCE2UWCL 800A-LB 802A-ECSP 802IICSP FJQADH FJQFXT PED10