

100G SFP-DD

Passive Direct Attach Cable



Volex's SFP-DD Passive Direct Attach Cable features 2 transmitting and 2 receiving PAM4 channels supporting 100G Ethernet (2x 50Gb/s) and 2x 64G Fibre Channel applications. The Volex SFP-DD cable assembly meets IEEE 802.cd and 64G FC standards with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for next generation data center needs.

As data center grows and deploys faster speed in a tighter space, it needs high performance cables that have less power consumption, reliable operation and low cost and can be supplied in large quantity fast. By partnering with Volex on SFP-DD and other high speed cables, you can benefit from Volex's global manufacturing footprint and technical expertise to help you future proof your data center and fulfill infrastructure development goals.



Near zero power consumption and no heat generated



Complete cable assembly uniquely terminated at the factory to provide the most reliable operation



100% tested for signal integrity with serial number traceability

FEATURES AND SPECIFICATIONS

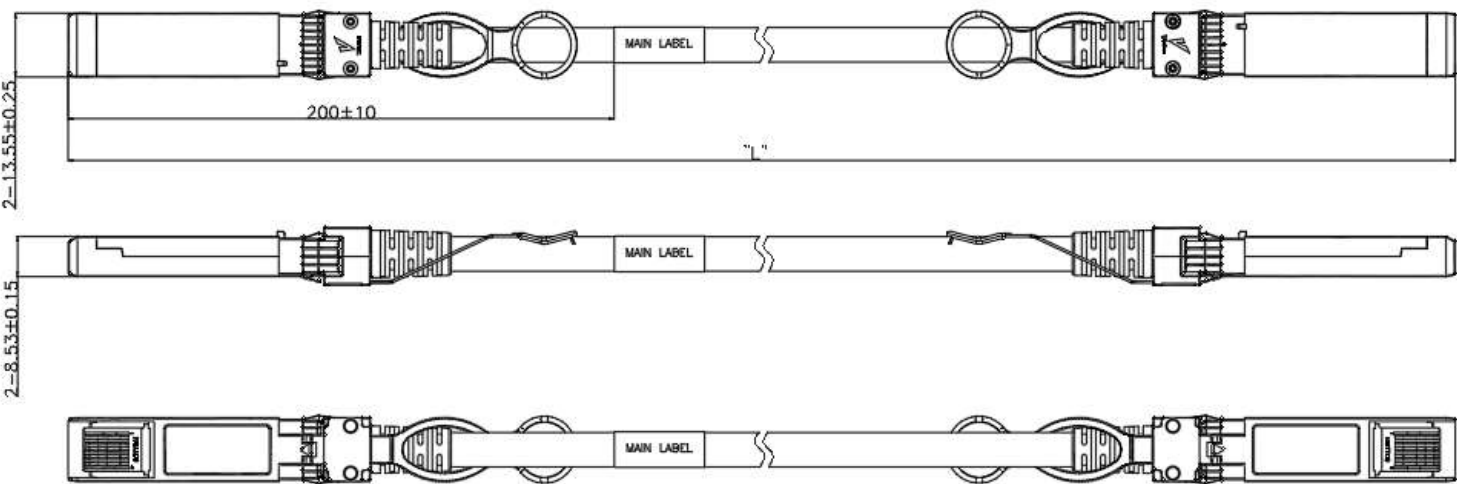
Product Type	SFP-DD to SFP-DD Passive Copper Cable Assembly
Conductor Treatment	Laser stripped conductors
Cable Type	High-speed twinax cable, 4-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	PVC
Packaging	PE bag
Power Supply Voltage	3.3 V
Temperature Range	0 - 70°C
Insertion Force	Maximum 40N per SFP-DD Hardware Specification
Extraction Force	Maximum 30N per SFP-DD Hardware Specification
Retention Force	Minimum 90N per SFP-DD Hardware Specification
EEPROM	Each connector module contains an EEPROM to provide product information to the host system
Cable Termination	100% factory tested including comprehensive signal integrity verification and serial number traceability using advanced Manufacturing Execution Systems

Volex reserves the right to change specifications and availability without prior notice.

High-Speed Interconnect

Applications	Standards Compliance
<ul style="list-style-type: none"> Switches, Servers, Routers, Storage Arrays Networking Equipment Data Centers Storage Area Networks Telecommunication Central Offices Test and Measurement Equipment 	<ul style="list-style-type: none"> IEEE P802.3cd INCITS 64G FC (Fibre Channel) SFP-DD Hardware Specification SFF-8432, SFF-8472, SFF-8636 EIA-364 UL 94, 1581, VW1 RoHS

Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DD50PDG05BS	0.50	30	5.3
DD50PDG10BS	1.00	30	5.3
DD50PDG15BS	1.50	30	5.3
DD58PDG20BS	2.00	28	6.1
DD58PDG25BS	2.50	28	6.1
DD56PDG30BS	3.00	26	7.3

0.5 - 3.0m lengths available with 26 - 30 AWG conductor sizes to achieve maximum performance.

Options Available

- Low Smoke, Zero Halogen (LSZH) Jackets
- Custom colours for pull tab
- Custom EEPROM mapping

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