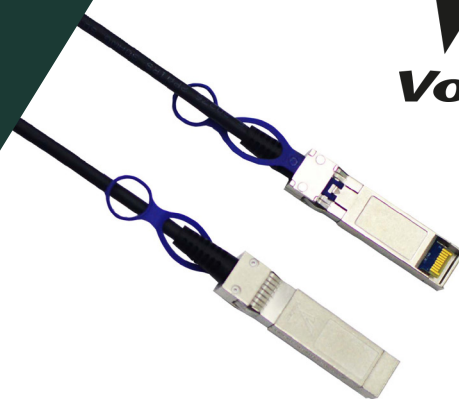# 100G DSFP
Passive Direct Attach Cable

Volex's DSFP Passive Direct Attach Cable features 2 transmitting and 2 receiving PAM4 channels supporting 100G Ethernet (2x 50Gb/s) applications. The Volex DSFP cable assembly meets or exceeds IEEE 802.cd standard 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 fast in large quantity.

By partnering with Volex on DSFP and other high-speed cables, you can benefit from Volex' 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
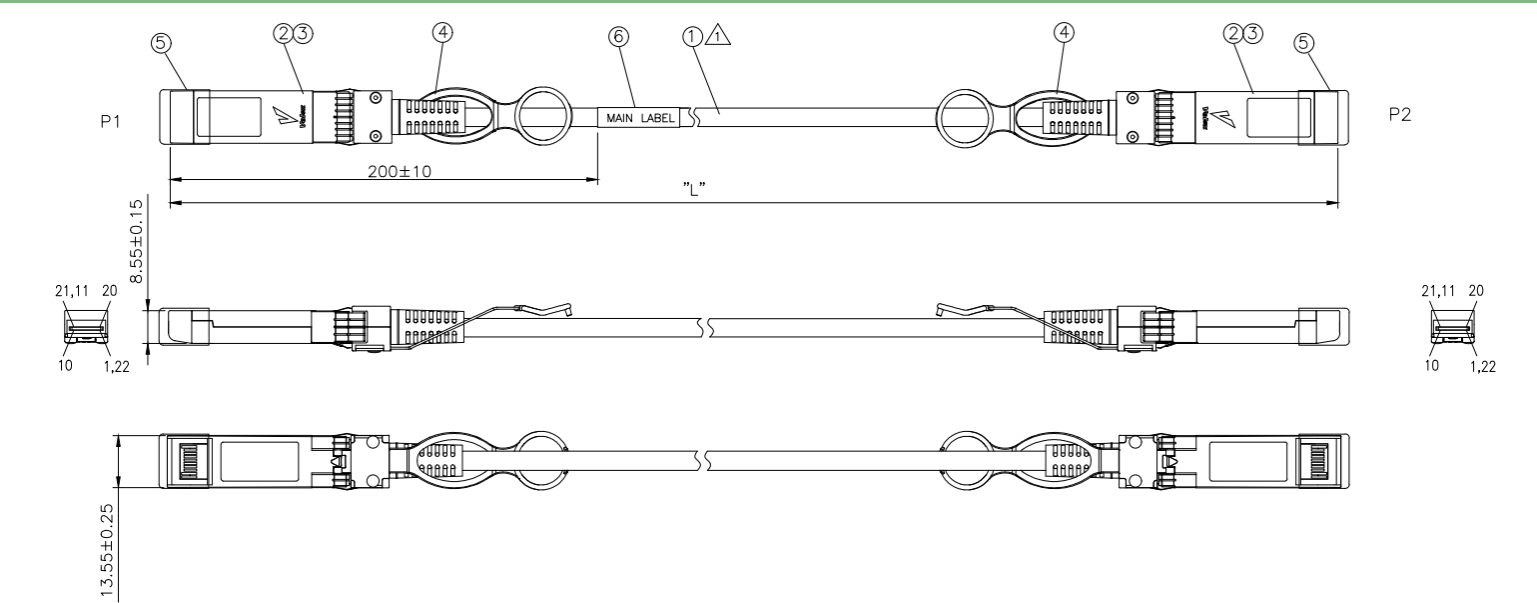
FEATURES AND SPECIFICATIONS	
Product Type	DSFP to DSFP Passive Copper Cable Assembly
Conductor Treatment	Laser stripped conductors
Cable Type	High-speed twinax cable, 4-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	PVC
Packaging	PE bag
Power Supply Voltage	3.3 V
Temperature Range	0 - 70°C
Insertion Force	Maximum 40N per DSFP Hardware Specification
Extraction Force	Maximum 30N per DSFP Hardware Specification
Retention Force	Minimum 90N per DSFP 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

Applications
- Switches, Servers, Routers, Storage Arrays
- Networking Equipment
- Data Centers
- Storage Area Networks
- Telecommunication Central Offices
- Test and Measurement Equipment

Standards Compliance
- IEEE P802.3cd
- DSFP 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)
DP50PDG05BS	0.50	30	5.5
DP50PDG10BS	1.00	30	5.5
DP50PDG15BS	1.50	30	5.5
DP50PDG20BS	2.00	30	5.5
DP58PDG25BS	2.50	28	6.6
DP56PDG30BS	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

Volex Worldwide
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Contact us at **sales@volex.com**
for assistance in finding the right solution for your needs.