

Volex 800G OSFP Passive DAC Cable



Volex's 800G OSFP passive direct attach copper cable features 8 transmitting and 8 receiving 100Gbps PAM4 channels for 800G operation. The cable assembly meets IEEE 802.3ck 400GBase-CR4, 200Gbase-CR2 and 100GBase-CR1 standard with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for high-density applications.

As next-gen data centers deploy faster speed in a tighter space, they need high performance cables that reduce power consumption, provide reliable operation and are low cost. Volex's 800G OSFP cable is designed to meet the next-gen data center needs. With unique foam dielectric construction, Volex 800G OSFP cable offers smallest cable outer diameter and bend radius and highest flexibility while meeting or exceeding the MSA signal integrity specification.



Near zero consumption and heat dissipation



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

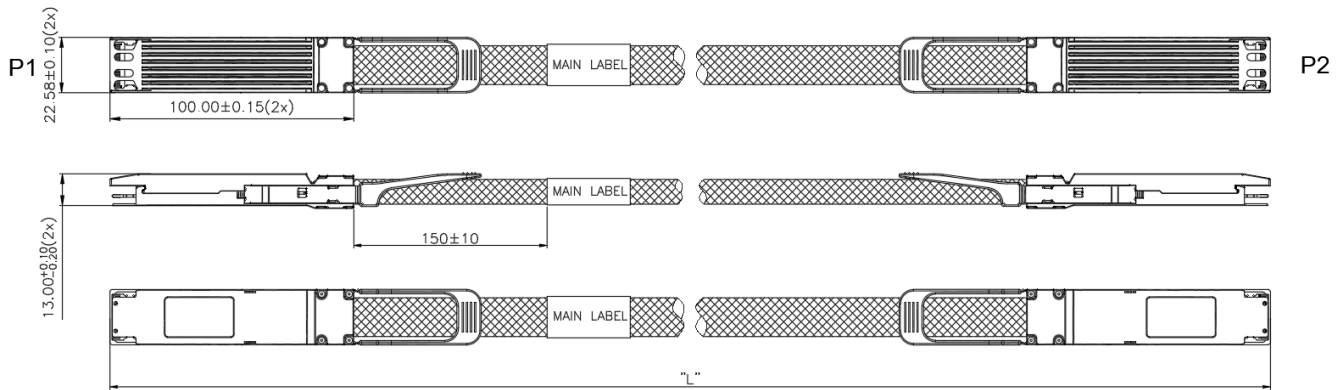
Product Type	800G OSFP to OSFP passive copper Direct Attach Cable
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 16-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	Plastic braided mesh
Packaging	PE bag
Power Supply Voltage	3.3V
Power Consumption	0
Temperature Range	0 - 70°C
Retention Force	Minimum 125N per MSA specification
Insertion Force	Maximum 40N per MSA 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 Centres Telecommunication Central Offices Test and Measurement Equipment 	<ul style="list-style-type: none"> IEEE 802.3ck, Infiniband NDR Specification for OSFP, Rev 5.1 EIA-364 CMIS 5.0 UL 94, 1581, VW1, File No. E510564 RoHS

Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DE60BDG05BS	0.50	30AWG	9.7
DE60BDG10BS	1.00	30AWG	9.7
DE68BDG15BS	1.50	28AWG	10.6
DE66BDG20BS	2.00	26AWG	11.9

0.5 – 2.0m lengths available with 30AWG-26AWG conductor sizes to achieve maximum performance.

Options Available

- Custom colours for cable jacket
- Custom colours for pull tab
- Custom EEPROM mapping

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