

Volex 1.6T OSFP1600 Passive DAC Cable



Volex's 1.6T OSFP1600 passive direct attach copper cable features 8 transmitting and 8 receiving 224Gbps PAM4 channels for 1.6T operation. The cable assembly meets IEEE 802.3df and 802.3dj 1600GBASE-CR8 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 OSFP 1600 cable is designed to meet the next-gen data center needs. With unique foam dielectric construction, Volex OSFP 1600 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

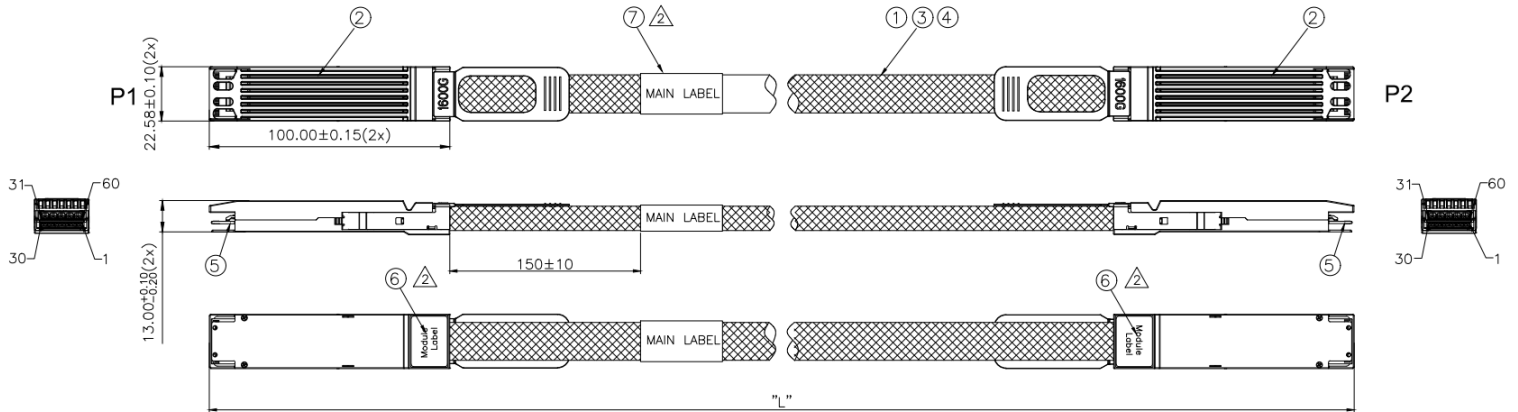
Product Type	1.6T OSFP1600 passive copper Direct Attach Cable
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 16-pair differential, 92 +/-5 ohms
Cable Colour	Black
Cable Jacket	Plastic braided mesh
Packaging	PE bag
Power Supply Voltage	3.3V
Power Consumption	0
Temperature Range	0 - 70°C
Retention Force	Minimum 125N per MSA specification
Insertion Force	Maximum 40N per MSA specification
EEPROM	CMIS 5.0 compliance
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 802.3dj & 802.3df, Infiniband XDR Specification for OSFP, Rev 5.02 EIA-364 UL 94, 1581, VW1, File No. E510564, RoHS CMIS 5.0 compliance

Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DE75BDG05BS	0.50	25AWG	11.9
DE75BDG10BS	1.00	25AWG	11.9
DE75BDG15BS*	1.50	25AWG	11.9

* Cables are pending final qualification. Length listed above are preliminary.

0.5 – 1.5m lengths available with 25AWG 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.