Volex 1.6T OSFP-XD Passive DAC Cable

Volex's 1.6T OSFP-XD passive direct attach copper cable features 16 transmitting and 16 receiving 100Gbps PAM4 channels for 1.6T operation. The cable assembly meets OSFP-XD MSA and IEEE 802.3ck 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 1.6T OSFP-XD cable is designed to meet the next-gen data center needs. With unique foam dielectric construction, Volex 1.6T OSFP-XD 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
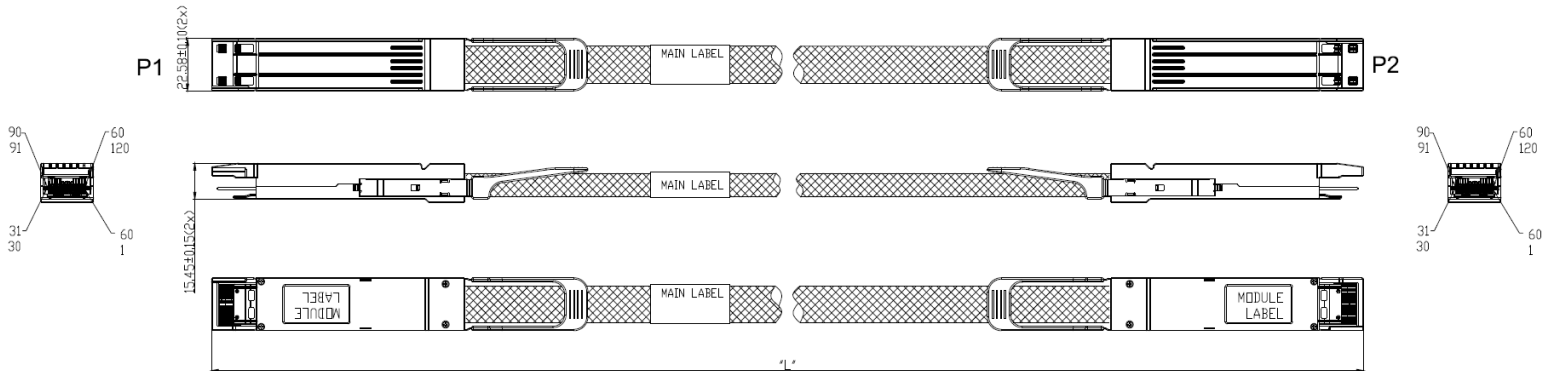
FEATURES AND SPECIFICATIONS	
Product Type	1.6T OSFP-XD passive copper Direct Attach Cable
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 32-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	Plastic braided mesh
Packaging	Antistatic bag
Power Supply Voltage	3.3V
Power Consumption	0
Temperature Range	0 - 70ºC
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
• Switches, Servers, Routers, Storage Arrays • Networking Equipment • Data Centres • Telecommunication Central Offices • Test and Measurement Equipment	• IEEE 802.3ck, Infiniband NDR • OSFP-XD MSA • EIA-364 • UL 94, 1581, VW1, File No. E510564 • RoHS • CMIS 5.0

Mechanical Drawing

Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
D660BDG05BS	0.50	30AWG	11.5
D668BDG10BS	1.00	28AWG	12.8
D668BDG15BS	1.50	28AWG	12.8

0.5 – 1.5m lengths available with 30AWG-28AWG conductor sizes to achieve maximum performance.

Options Available

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

Volex Worldwide CONTACT INFO	
Americas Tel: +1 512 608 2402	**EMEA** Tel: +44 7768 924844

China Tel: +86 159 5019 6906	**Asia Pacific** Tel: +65 6904 1545	**India** Tel: +91 99406 10637

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