

Volex QSFP112 Passive DAC Cable



Volex's QSFP112 Passive Direct Attach Copper cable features 4 transmitting and 4 receiving channels at 100 Gbps with PAM-4 modulation per channel speed. The cable assembly meets IEEE 802.3ck 400GBase-CR4, 200GBase-CR2 and 100GBase-CR1 specifications and is designed for high density applications, where high performance and bandwidth interconnect solutions are required.



As next-gen data centres deploy faster speed in a tighter space, they need high performance cables that reduce power consumption, provide reliable operation and are low cost.



Near zero power consumption and no heat generated

Volex's QSFP112 direct attach cable assembly is designed to meet the next-gen data center needs. The Volex QSFP112 cable pluggable module is compatible with QSFP112 and QSFP-DD800 ports for ease of data center upgrade.



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



100% tested for signal integrity with serial number traceability

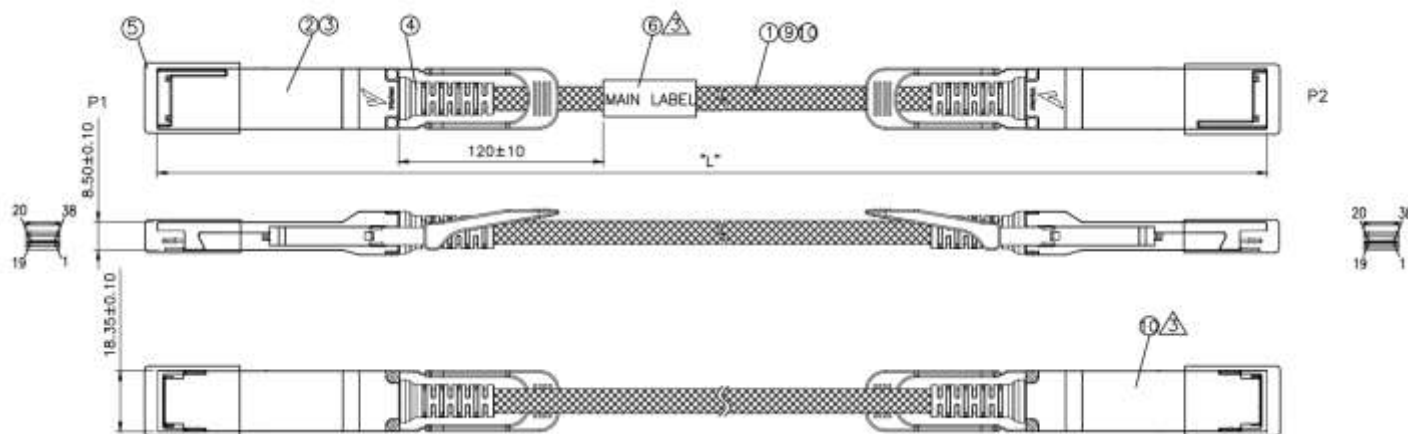
FEATURES AND SPECIFICATIONS

Product Type	400G QSFP112 to QSFP112 passive direct attach copper cable
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 8-pair differential, 100 +/-5ohms
Cable Colour	Black
Cable Jacket	Plastic braided mesh
Packaging	PE bag
Power Supply Voltage	3.3V
Temperature Range	0 -70°C
Retention Force	Minimum 90N per MSA specification
Insertion Force	Maximum 60N 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.

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 P802.3ck, InfiniBand NDR ● QSFP-DD/QSFP-DD800/QSFP112 HW Rev 6.01 ● SFF-8661, SFF-8679, SFF-8636, CMIS 5.0 ● EIA-364 ● UL 94, 1581, VW1, File No. E510564 ● RoHS

Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DA60BDG05BS	0.50	30	6.8
DA60BDG10BS	1.00	30	6.8
DA68BDG15BS	1.50	28	7.9
DA66BDG20BS	2.00	26	8.5

0.5 - 2m 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 CONTACT INFO		
Americas Tel: +1512 608 2402	EMEA Tel: +44 7768 924844	
China Tel: +86 159 5019 6906	Asia Pacific Tel: +65 6904 1545	India Tel: +9199406 10637

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