

Volex QSFP112 ACC Cable



Volex's QSFP112 Active Direct Attach Copper Cable features 4 transmitting and 4 receiving 100Gbps PAM-4 channels. The cable assembly meets IEEE 802.3ck 400GBase-CR4, 200GBase-CR2 and 100GBase-CR1 specifications. The Volex QSFP112 active DAC enhances Signal Integrity severely stressed under high-speed data rate through advanced linear equalization. The result is up to 5M reach vs. max 2M reach for the passive version and smaller cable size and higher flexibility.



As next-gen data center deploy faster speed in a tighter space, they need high performance cables that reduce power consumption, provide reliable operation and are low cost. The Volex QSFP112 active DAC is designed to meet the next-gen data center needs and, at less than 150mW per active channel, is a cost-effective alternative to the high-power consumption Active Optical Cable.



Low power consumption and 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

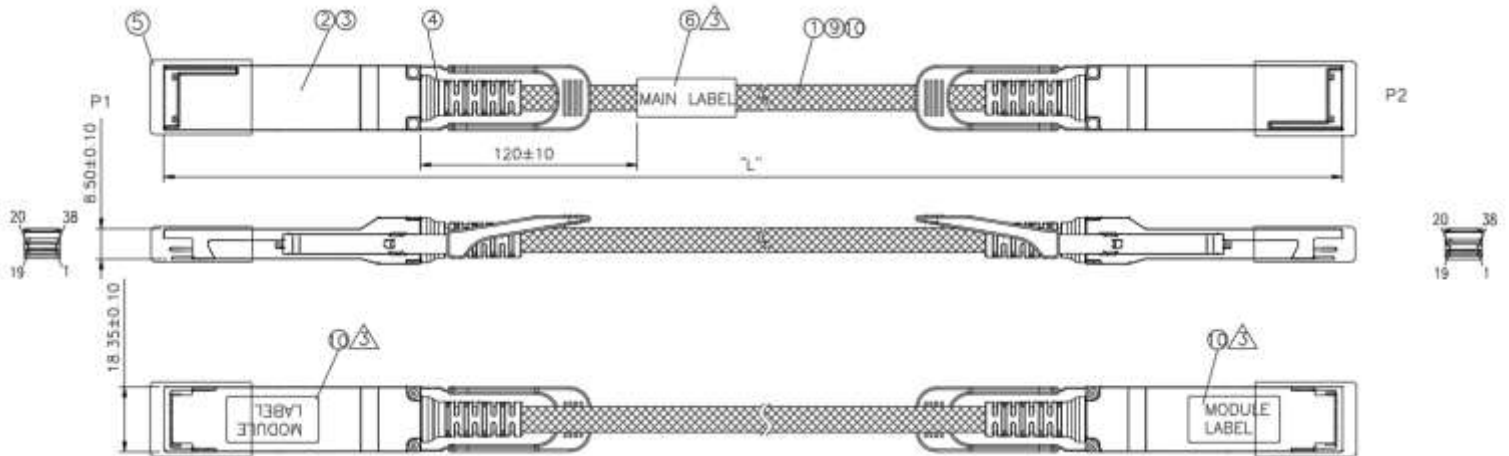
FEATURES AND SPECIFICATIONS

Product Type	400G QSFP112 to QSFP112 active direct attach copper cable
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 8-pair differential, 100 +/-5 ohms
Cable Colour	Black
Cable Jacket	Plastic braided mesh
Packaging	Anti-static PE bag
Power Supply Voltage	3.3V
Power Consumption	<150mW per active channel
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 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)
DA60BDG30BA	3.00	30	6.8
DA66BDG40BA	4.00	26	8.5
DA66BDG50BA	5.00	26	8.5

3.0 – 5.0m lengths available with 30AWG-26AWG conductor sizes to achieve maximum performance.

Options Available

- Low Smoke, Zero Halogen (LSZH) jackets
- Custom colours for pull tab
- Custom EEPROM mapping

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for assistance in finding the right solution for your needs.