

Volex 800G QSFP-DD Passive DAC Cable



Volex's QSFP-DD800 (Double Density) 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 and Infiniband standards with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for high-density applications.

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. Volex's QSFP-DD800 cable is designed to meet the next-gen data centre needs. With unique foam dielectric construction, Volex QSFP-DD800 cable offers smallest cable outer diameter and bend radius, And highest flexibility, while meeting or exceeding the MSA signal integrity specification.



Near zero power consumption and no 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

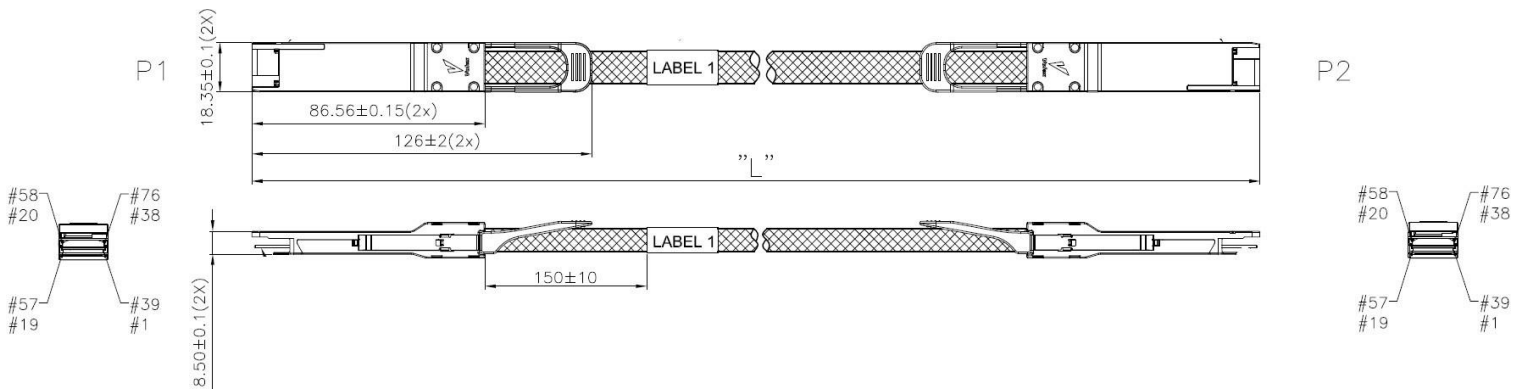
FEATURES AND SPECIFICATIONS

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|-----------------------------|---|
| Product Type | 800G QSFP-DD to QSFP-DD passive direct attach copper 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 |
| Temperature Range | 0 - 70°C |
| Retention Force | Minimum 90N per MSA specification |
| Insertion Force | Maximum 90N 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 ● 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) |
|-------------|------------------|-------------------|---------------|
| DQ60BDG05BS | 0.50 | 30 | 9.7 |
| DQ60BDG10BS | 1.00 | 30 | 9.7 |
| DQ68BDG15BS | 1.50 | 28 | 10.6 |
| DQ66BDG20BS | 2.00 | 26 | 11.9 |

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