

# Volex 400G OSFP TO 2x/4x QSFP56 ACC Breakout Cable



Volex's 400G OSFP to 2x/4x QSFP56 ACC breakout cable features 8 100Gbps channels with PAM-4 modulation for each of the transmitting and receiving directions. The breakout cable is offered in an 400Gbps (OSFP) to 2x 200Gbps (2x QSFP56) or 4x 100Gbps (4x QSFP56) configurations. The cable assembly meets IEEE 802.3cd standard with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for high-density applications.



The signal integrity severely stressed under high-speed data transmission is enhanced via advanced linear equalization. The result is longer reach up to 7M vs 3M for the passive version with the same unique dielectric material and cable construction that offers the smallest cable size and highest flexibility. The result is a highly flexible DAC cable which reduces the overall bend space up to 30% vs the passive version, making it ideal for deployment in high density rack.



Low power 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

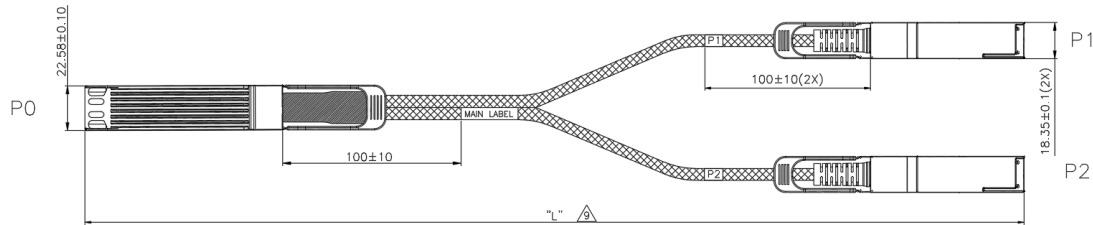
<b>Product Type</b>	400G OSFP TO 2x/4x QSFP56 ACC breakout cable assembly
<b>Conductor Treatment</b>	Laser stripped conductors
<b>Cable Type</b>	High speed twinax cable, 16-pair differential, 100 +/-5 ohms
<b>Cable Colour</b>	Black
<b>Cable Jacket</b>	PVC or Plastic braided mesh
<b>Packaging</b>	Anti-Static PE bag
<b>Power Supply Voltage</b>	3.3V
<b>Power Consumption</b>	<150mW per active channel
<b>Temperature Range</b>	0 - 70°C
<b>Retention Force</b>	>90N for QSFP; >125N for OSFP
<b>Insertion Force</b>	<60N for QSFP; < 40N for OSFP
<b>EEPROM</b>	Each connector module contains an EEPROM to provide product information to the host system
<b>Cable Termination</b>	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.

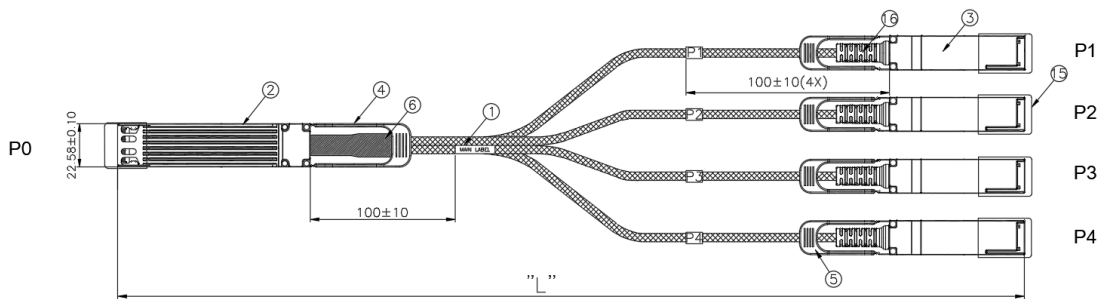
Applications	Standards Compliance
<ul style="list-style-type: none"> <li>Switches, Servers, Routers, Storage Arrays</li> <li>Networking Equipment</li> <li>Data Centres</li> <li>Telecommunication Central Offices</li> <li>Test and Measurement Equipment</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3ck</li> <li>OSFP MSA Rev 5.0 /SFF-8665, SFF-8661, SFF-8636, SFF-8679</li> <li>EIA-364</li> <li>UL 94, 1581, VW1, File No. E510564</li> <li>RoHS</li> </ul>

## Mechanical Drawing

OSFP to 2x QSFP56 Breakout Configuration



OSFP to 4x QSFP56 Breakout Configuration



Volex P/N (OSFP to 2x QSFP56)	Volex P/N (OSFP to 4x QSFP56)	Cable Length (M)	Gauge (AWG)	Cable OD (mm) (2x/4x)
DG50PDG30BA	DK50PDG30BA	3.00	30AWG	6.8/5.3
DG50PDG40BA	DK50PDG40BA	4.00	30AWG	6.8/5.3
DG58PDG50BA	DK58PDG50BA	5.00	28AWG	7.9/6.5
DG58PDG60BA*	DK58PDG60BA*	6.00	28AWG	7.9/6.5
DG58PDG70BA*	DK58PDG70BA*	7.00	28AWG	7.9/6.5
DG56PDG70BA*	DK56PDG70BA*	7.00	26AWG	8.5/6.8

3.0 –7.0m lengths available with 30AWG-26AWG conductor sizes to achieve maximum performance.

### Options Available

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

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

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for assistance in finding the right solution for your needs.