

# 40G QSFP to 4x SFP+

## Passive DAC Breakout Cables



Volex's QSFP+ Passive Breakout Direct Attach Cables feature 4 transmitting and 4 receiving channels at 10Gbps data rate per channel. 40Gbps (QSFP+) to 4x 10Gbps (4x SFP+) breakout configurations is supported. The cable assemblies meet 40Gbps Ethernet (IEEE 802.3ba) standard with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for high density applications.

Volex's QSFP+ breakout cable assemblies are designed to accommodate standard and ganged connector configurations in demanding high density requirements.

Volex's QSFP+ breakout cable assemblies are high performance, high bandwidth and cost-effective interconnect solutions which support 10G Ethernet, Fiber Channel with different data rate applications.



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

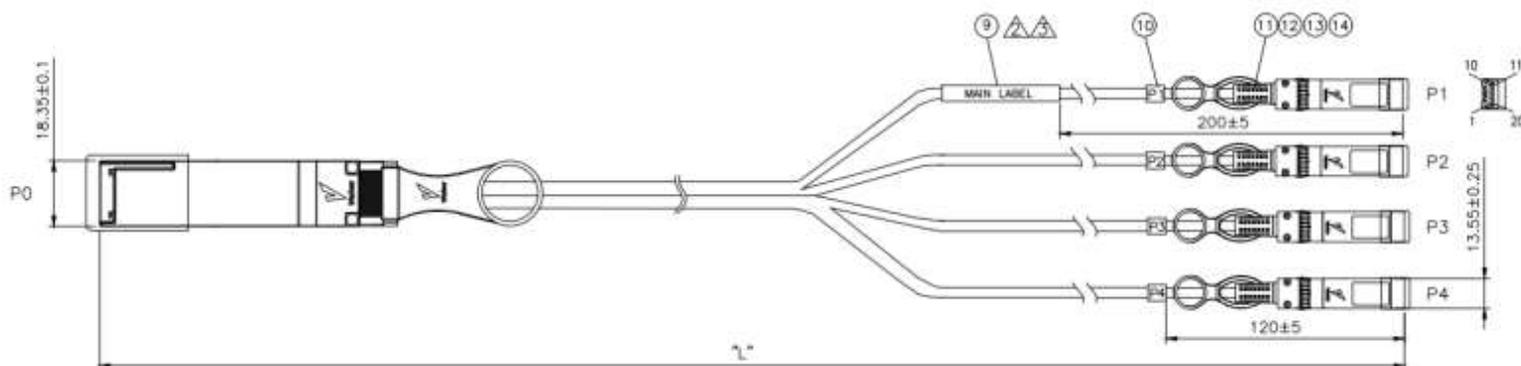
### FEATURES AND SPECIFICATIONS

<b>Product Type</b>	40Gbps (QSFP+) to 4x 10 Gbps (SFP+) Passive Breakout Copper Direct Attach Cable
<b>Conductor Treatment</b>	Laser stripped conductors
<b>Cable Type</b>	High-speed twinax cable 4x 2 pair differential, 100 +/-5 ohms
<b>Cable Colour</b>	Black
<b>Cable Jacket</b>	PVC
<b>Packaging</b>	PE bag
<b>Power Supply Voltage</b>	3.3 V
<b>Temperature Range</b>	0 - 70°C
<b>Retention Force</b>	Meet MSA specification
<b>Insertion Force</b>	Meet MSA specification
<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 Centers</li> <li>Telecommunication Central Offices</li> <li>Test and Measurement Equipment</li> </ul>	<ul style="list-style-type: none"> <li>IEEE P802.3 ba, InfiniBand QDR</li> <li>SFF-8402, SFF-8432, SFF-8665, SFF-8661, SFF-8472, SFF-8636, SFF-8679</li> <li>EIA-364</li> <li>UL 94, 1581, VW1</li> <li>RoHS</li> </ul>

## Mechanical Drawing



Volex P/N (QSFP to 4x SFP+)	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
D430PSG05BL	0.50	30	4.5
D430PSG10BL	1.00	30	4.5
D430PSG20BL	2.00	30	4.5
D430PSG30BL	3.00	30	4.5
D436PSG40BL	4.00	26	6.0
D436PSG50BL	5.00	26	6.0
D436PSG60BL	6.00	26	6.0
D434PSG70BL	7.00	24	6.0

0.5 - 7.0m lengths available with 24 - 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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for assistance in finding the right solution for your needs.