



# QSFP+ Passive Breakout Direct Attach Cable

- NEAR ZERO POWER CONSUMPTION AND NO HEAT GENERATED
- COMPLETE CABLE ASSEMBLY UNIQUELY TERMINATED AT THE FACTORY TO PROVIDE MOST RELIABLE OPERATION
- 100% TESTED FOR SIGNAL INTEGRITY WITH SERIAL NUMBER TRACEABILITY



Volex's QSFP+ to 4x SFP+ passive copper breakout Direct Attach Cable is a cost-effective alternative to optical modules for short reach high speed interconnects. The cable assembly enables breakout of 40GbE QSFP+ port to 4x 10GbE SFP+ ports, optimizing data center solutions for interconnecting 40G Ethernet switch port to 4x 10G server ports.

Volex's QSFP+ breakout cable assembly combines twinaxial shielded cable with robust die cast housing and actuating pull latch. The overmold technique used in fabrication for these cables provides additional strain relief and minimizes conductor pistoning. This cable assembly product is designed to meet the stringent data center requirements with unparalleled performance and durability.

## Features and Specifications

Product Type	40Gbps (QSFP+) to 4x 10Gbps (SFP+) passive copper breakout Direct Attach Cable
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 4x 2-pair differential, 100 +/-5 ohms
Cable Color	Black
Cable Jacket	PVC
Packaging	PE bag
Power Supply Voltage	3.3 V
Temperature Range	0 - 70° C
Retention Force	Meet MSA specifications
Insertion Force	Meet MSA specifications
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.



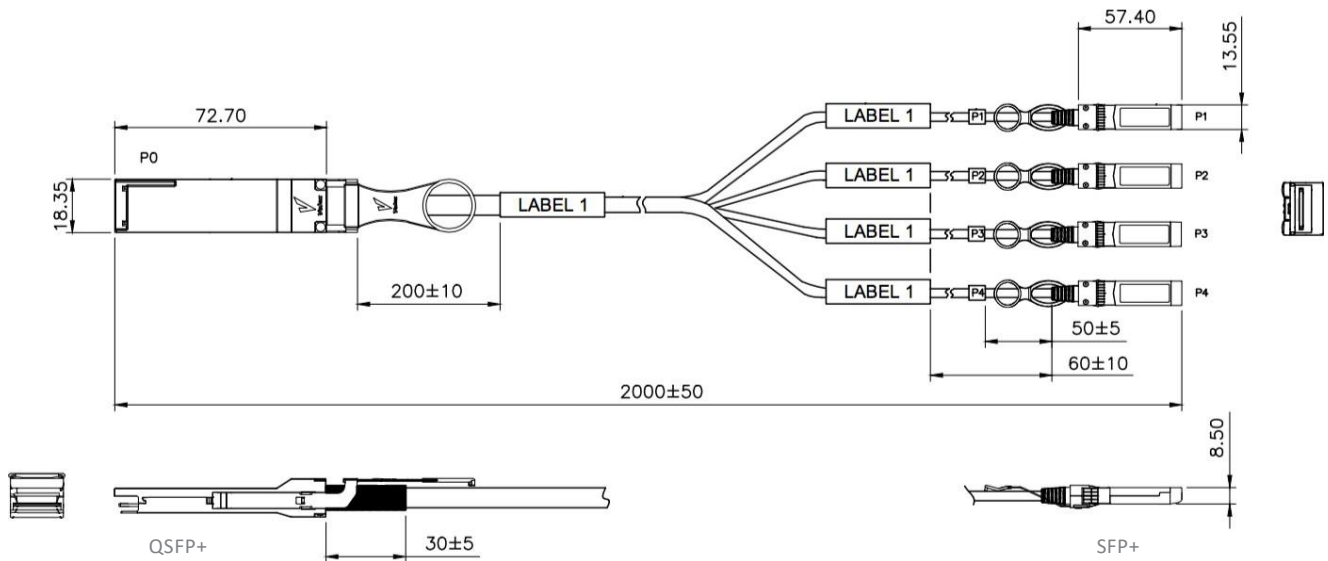
## Applications

- Switches, Servers, Routers, Storage Arrays
- Networking Equipment
- Data Centers
- Telecommunication Central Offices
- Test and Measurement Equipment

## Standards Compliance

- 40Gbase-CR4 (IEEE P802.3ba)
- 10Gbase-CR (SFF-8431)
- SFF-8432, SFF-8436, SFF-8472, SFF-8636, SFF-8661
- EIA-364
- UL 94, 1581, VW1, File No. E510564
- RoHS

## Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
Q4S10V30VP100S	1.00	30	4.2
Q4S10V30VP150S	1.50	30	4.2
Q4S10V30VP200S	2.00	30	4.2
Q4S10V30VP250S	2.50	30	4.2
Q4S10V30VP300S	3.00	30	4.2
Q4S10V30VP350S	3.50	30	4.2
Q4S10V28VP400S	4.00	28	4.7
Q4S10V28VP450S	4.50	28	4.7
Q4S10V26VP500S	5.00	26	5.2

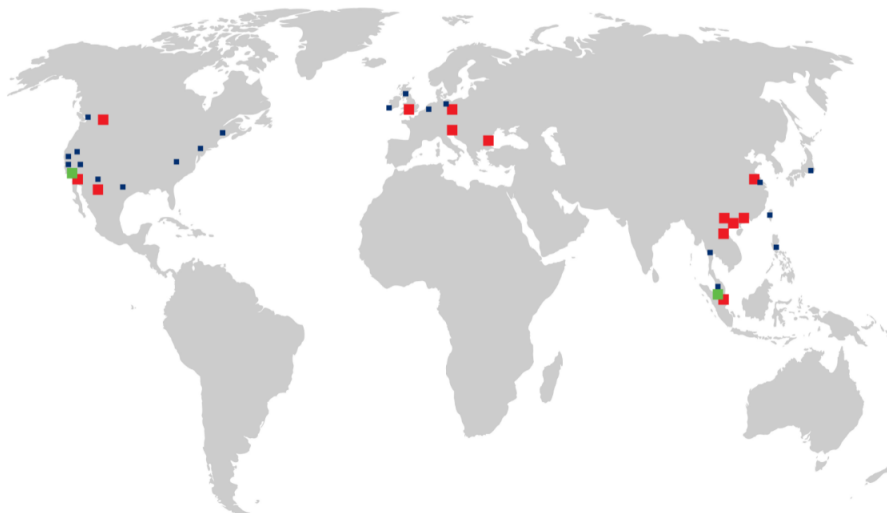
1-5m lengths available with 26-30 AWG conductor sizes to achieve maximum performance.

### Options Available

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

Contact us at [sales@volex.com](mailto:sales@volex.com) for assistance in finding the right solution for your needs.

[www.volex.com](http://www.volex.com)



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