

QSFP+ Passive Copper Cable Assemblies



Volex's QSFP+ passive copper cable assemblies are a cost-effective, low-power alternative to optical modules for short reach links in high-speed interconnect applications. The QSFP+ replaces four standard SFP+ connections, providing greater density and reducing system costs of high performance computing (HPC), enterprise network, switching, and network storage deployments.

Volex's QSFP+ assemblies combine twin-axial 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. These assemblies can be integrated into belly-to-belly and side-stacked configurations.

Features and Specifications

Product Type	24 - 30 AWG conductor sizes available to achieve maximum performance up to 6m
Conductor Treatment	Laser Stripped Conductors
Cable Type	PVC
Cable Color	Black
Packaging	PE Bag
Power Supply Voltage	3.3 V
Temperature Range	0 - 70° C
Retention Force	Minimum 90N, Maximum 170N
Insertion Force	Maximum 40N
Options Include	Customer Specified EEPROM Map Customer Specified Cable Length Low Smoke, Zero Halogen (LSZH) Jackets Custom Colors for Pull Tab and Cable Jackets

Volex reserves the right to change specifications and availability without prior notice.



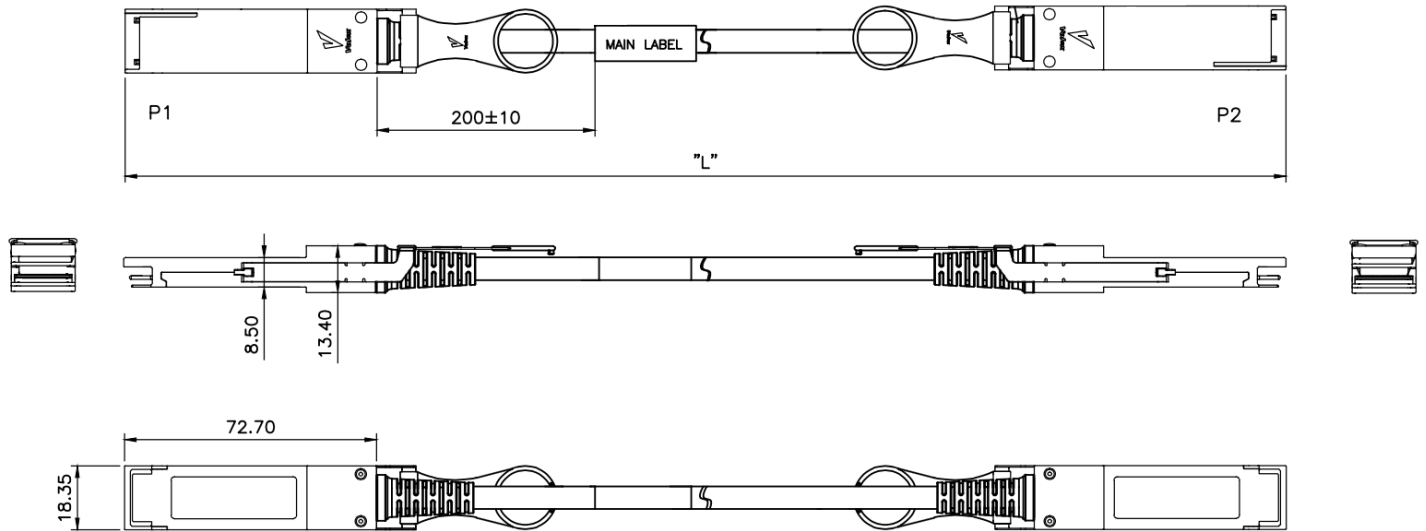
Applications

- High Performance Computing
- Enterprise Network Switching
- Network Storage Deployments
- InfiniBand 4x SDR, DDR, QDR, and FDR
- Ethernet 10G, 40G
- Fiber Channel 8G, 14G
- Myrinet 40G
- Hubs, Switches, Routers, and Servers

Standards Compliance

- 40-Gigabit Ethernet 40GBASE-CR4 standards
- SFF-8436 compliant cable and connector design
- QSFP+ MSA (Multi-Source Agreement)
- Electrical: InfiniBand Architecture Specification Volume 2, Release 1.3.1
- IEEE 10-Gigabit Ethernet and P802.3ba 40-Gigabit Ethernet standards
- RoHS

Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable Width (mm)
VQSFPQ30YP050	0.50	30	6.6
VQSFPQ30YP075	0.75	30	6.6
VQSFPQ30YP100	1.00	30	6.6
VQSFPQ30YP150	1.50	30	6.6
VQSFPQ30YP200	2.00	30	6.6
VQSFPQ30YP250	2.50	30	6.6
VQSFPQ28YP300	3.00	30	7.5
VQSFPQ28YP400	4.00	28	7.5
VQSFPQ26YP500	5.00	26	8.8

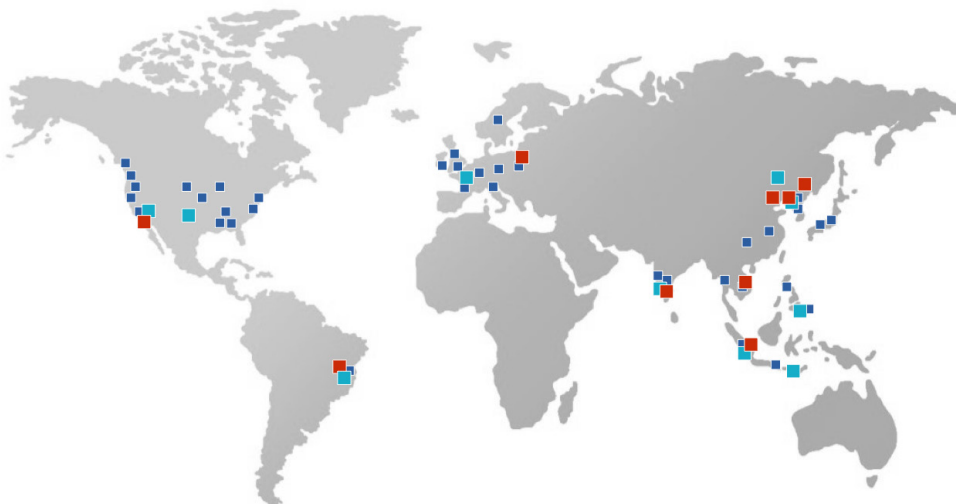
24-30 AWG conductor sizes are used to achieve maximum performance up to 7m.

Options Available

- Low Smoke, Zero Halogen (LSZH) Jackets
- Custom Cable Lengths Up to 7m
- Custom Colors for Pull Tab
- Custom EEPROM Mapping

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

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