



QSFP28 Passive 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 QSFP28 passive direct attach copper cable features 4 transmitting and 4 receiving channels at 25 Gbps per channel speed. Each assembly meets 100G Ethernet and InfiniBand Enhanced Data Rate (EDR) specifications and is designed for high density applications, where high performance and bandwidth interconnect solutions are required.

As next-gen data centers 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 QSFP28 100G/EDR cable assemblies are designed to meet the next-gen data center needs. This next generation product shares the same mating interface with QSFP+ form factors, making it backward compatible with existing QSFP+ ports.

Features and Specifications

Product Type	QSFP28 to QSFP28 passive copper cable assembly
Conductor Treatment	Laser stripped conductors
Cable Type	High speed twinax cable, 8-pair differential, 100 +/-5 ohms
Cable Color	Black
Cable Jacket	PVC
Packaging	PE bag
Power Supply Voltage	3.3V
Temperature Range	0 - 70°C
Retention Force	Minimum 125N per SFF-8661
Insertion Force	Maximum 60N per SFF-8661
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.



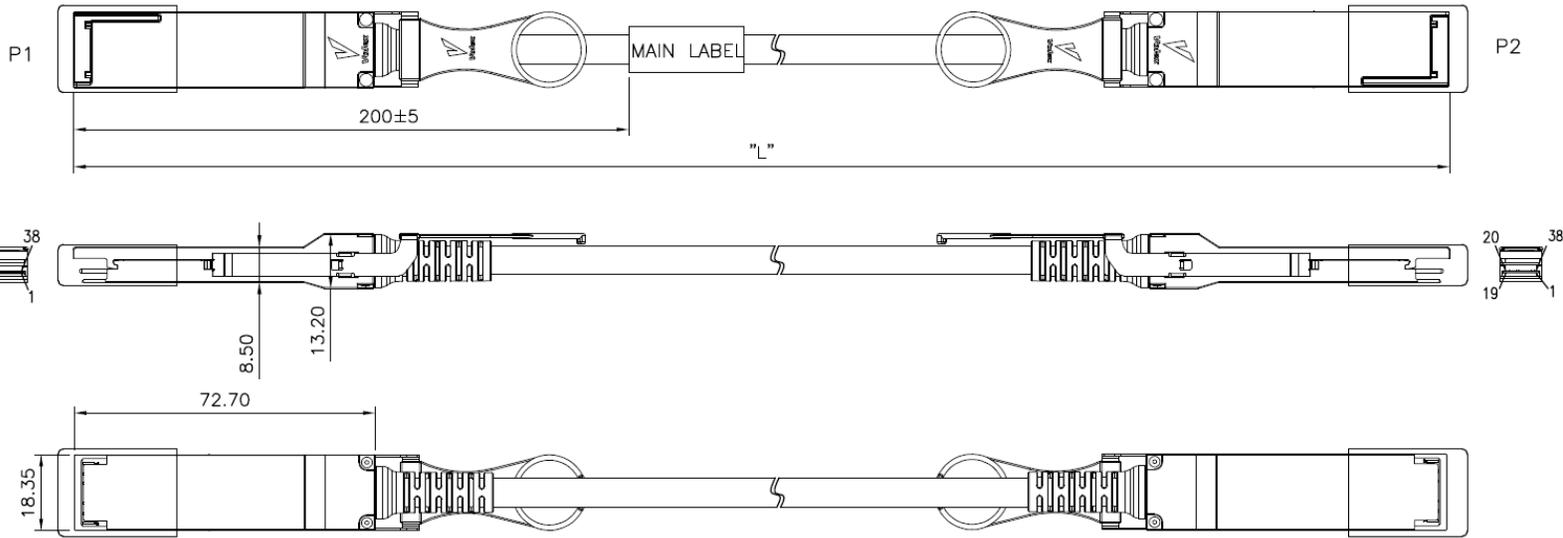
Applications

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

Standards Compliance

- IEEE P802.3bj, IEEE 802.3by
- InfiniBand EDR
- SFF-8665, SFF-8661, SFF-8679, SFF-8636
- EIA-364
- UL 94, 1581, VW1, File No. E510564
- RoHS

Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
Q1Q28V30VP100S	1.00	30	7.0
Q1Q28V30VP150S	1.50	30	7.0
Q1Q28V30VP200S	2.00	30	7.0
Q1Q28V30VP250S	2.50	30	7.0
Q1Q28V30VP300S	3.00	30	7.0
Q1Q28V28VP350S	3.50	28	8.5
Q1Q28V28VP400S	4.00	28	8.5
Q1Q28V26VP450S	4.40	26	9.5
Q1Q28V26VP500S	5.00	26	9.5

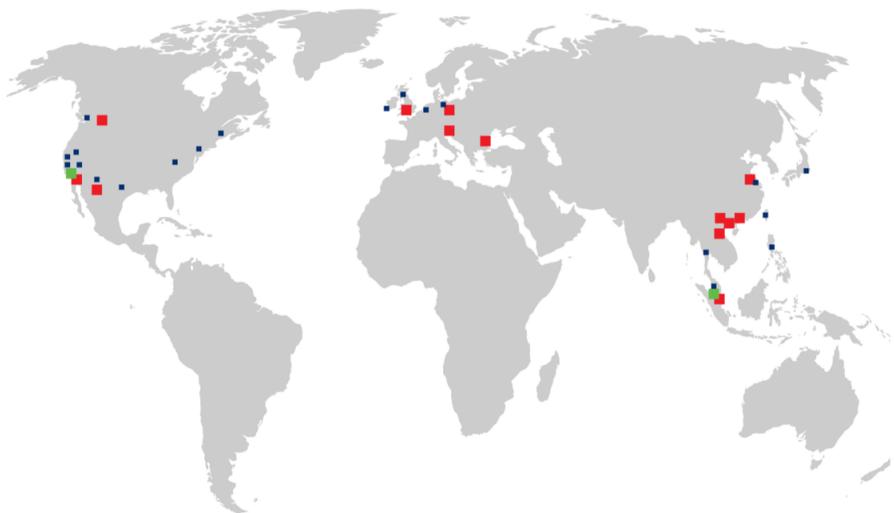
1-5m lengths available with 26-30 AWG conductor sizes to achieve maximum performance.

Options Available

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

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

www.volex.com



Volex Worldwide

- Manufacturing
- Sales Office/Sales Rep
- Distribution Hub

Americas

Volex, Inc.
Tel: +1 501 438 1313
Email:
Americas.sales@volex.com

Greater China

Volex Interconnect Systems (Suzhou)
Tel: + 86 512 8225 3300
Fax: + 86 512 6275 6670
Email: GreaterChina.sales@volex.com

EMEA

Volex Europe, Ltd.
Tel: +44 7768 924844
Email:
EMEA.sales@volex.com

Asia Pacific

Volex, Inc. - Singapore
Tel: +65 6904 1545
Email:
AsiaPacific.sales@volex.com