

100G QSFP28

Passive Direct Attach Cable



Volex's QSFP28 Passive Copper Direct Attach Cable features 4 transmitting and 4 receiving 25Gbps NRZ channels. The cable assembly meets 25G and 100G Ethernet and InfiniBand EDR standards. The QSFP28 passive cable assemblies meet 25Gbps Ethernet (IEEE 802.3bj) standard with substantial signal integrity margin providing high performance and bandwidth interconnect solutions for high density applications.

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, by partnering with Volex on QSFP28 and other high-speed cables, you can benefit from Volex's global manufacturing footprint and technical expertise to help you future proof your data center and fulfill infrastructure development goals.



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

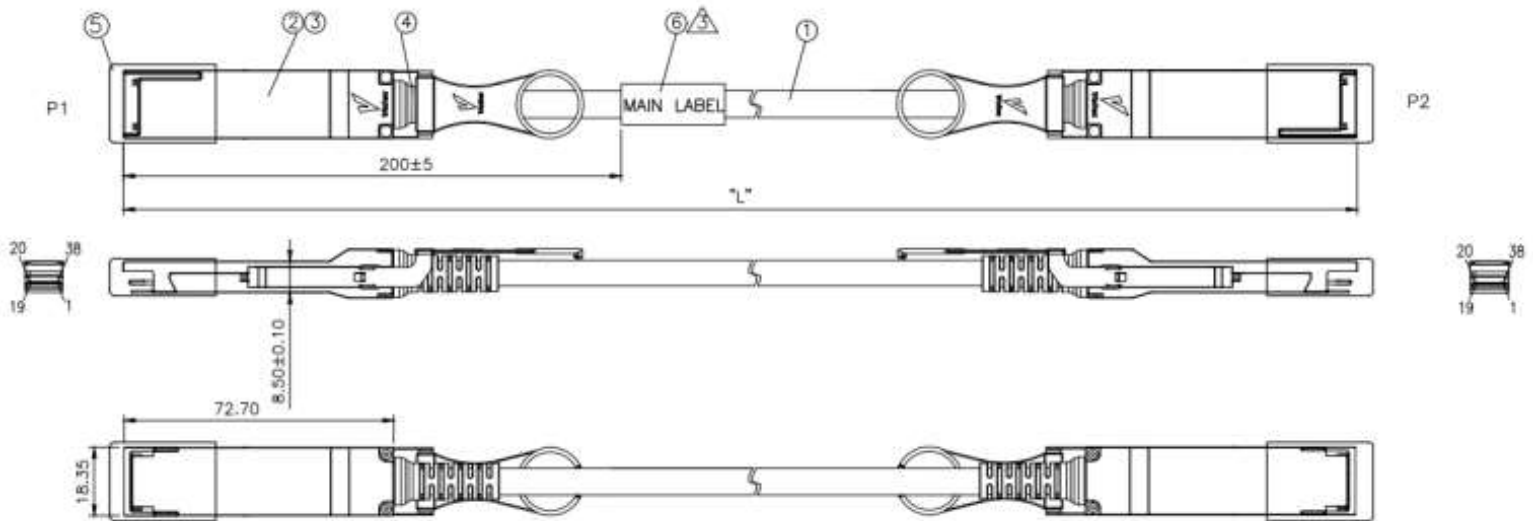
FEATURES AND SPECIFICATIONS

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 Colour	Black
Cable Jacket	PVC
Packaging	PE bag
Power Supply Voltage	3.3 V
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	Standards Compliance
<ul style="list-style-type: none"> Switches, Servers, Routers, Storage Arrays Networking Equipment Data Centers Telecommunication Central Offices Test and Measurement Equipment 	<ul style="list-style-type: none"> 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)
DA40PSG05BS	0.50	30	7.0
DA40PSG10BS	1.00	30	7.0
DA40PSG20BS	2.00	30	7.0
DA40PSG30BS	3.00	30	7.0
DA48PSG40BS	4.00	28	8.5
DA46PSG50BS	5.00	26	9.5

0.5 - 5.0m lengths available with 26 - 30 AWG conductor sizes to achieve maximum performance.

Options Available

- Low Smoke, Zero Halogen (LSZH) Jackets
- Custom colours for pull tab
- Custom EEPROM mapping

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