200G QSFP56
Passive Direct Attach Cable
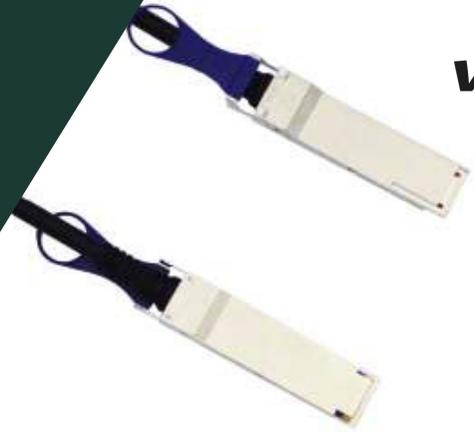
Volex

Volex's QSFP56 Passive Copper Direct Attach Cable features 4 transmitting and 4 receiving 50Gbps PAM 4 channels. The cable assembly meets 50G and 200G Ethernet and InfiniBand High Data Rate (HDR) specifications. The cable assemblies meet 50Gbps Ethernet (IEEE 802.3cd) 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 QSFP56 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	QSFP56 to QSFP56 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 SFF8661
Insertion Force	Maximum 60N per SFF8661
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.	

High-Speed Interconnect

	Applications		Standards Compliance

Applications

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

Standards Compliance

- IEEE P802.3cd
- InfiniBand HDR
- SFF-8402, SFF-8432, SFF-8665, SFF-8661, SFF-8472, SFF-8636, SFF-8679
- EIA-364
- UL 94, 1581, VW1, File No. E510564
- RoHS

Mechanical Drawing
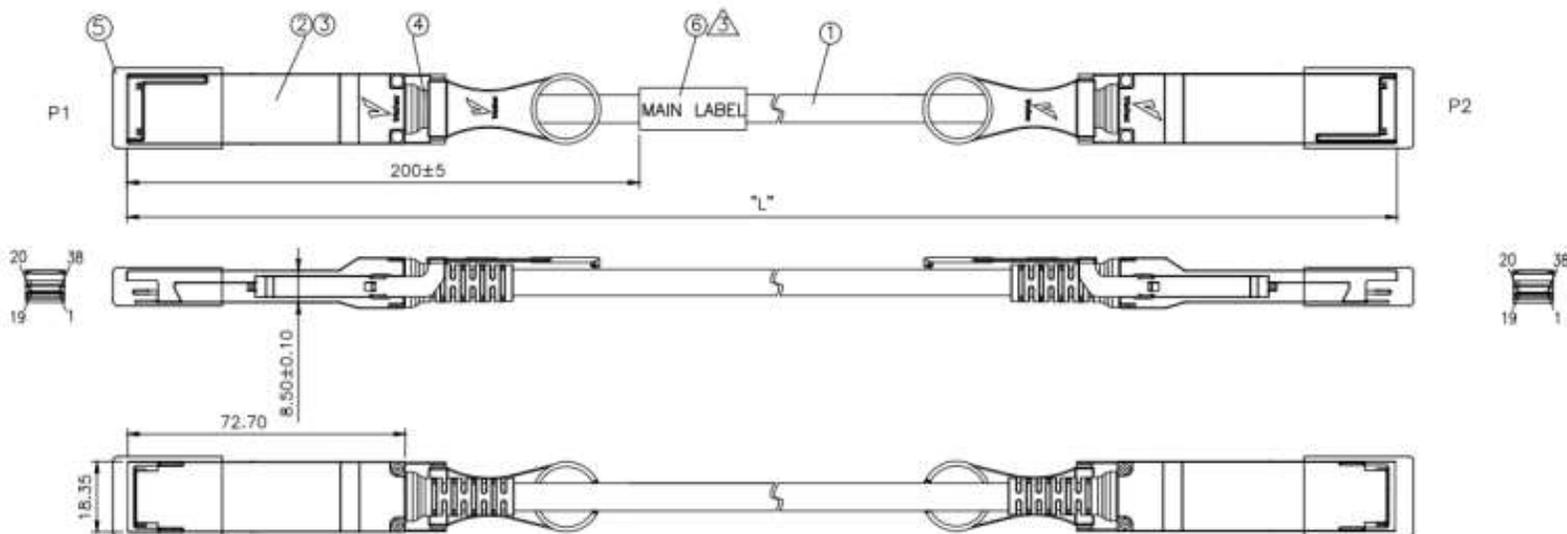
Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DA50PSG05BS	0.50	30	7.0
DA50PSG10BS	1.00	30	7.0
DA50PSG15BS	1.50	30	7.0
DA50PSG20BS*	2.00	30	7.0
DA58PSG25BS*	2.50	28	8.5
DA56PSG30BS*	3.00	26	9.5
* Maximum cable reach of passive DAC will be shorter in InfiniBand HDR application.			

0.5 - 3.0m 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

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