50G SFP56
Passive Direct Attach Cable

Volex SFP56 Passive Copper Direct Attach Cable features one transmitting and one receiving 50Gbps PAM4 channels and meets IEEE 802.cd 50G Ethernet standard.

The Volex SFP56 passive DAC enhances Signal Integrity severely stressed at high speed data rate.

As next generation 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 SFP56 passive cable assembly is designed to meet the next gen data center needs. The Volex SFP56 passive cable pluggable module is compatible with SFP-DD, SFP56 and SFP28 ports for ease of data center upgrade.

Near zero power consumption and no heat generated

Complete cable assembly uniquely terminated at the factory to provide the most reliable operation

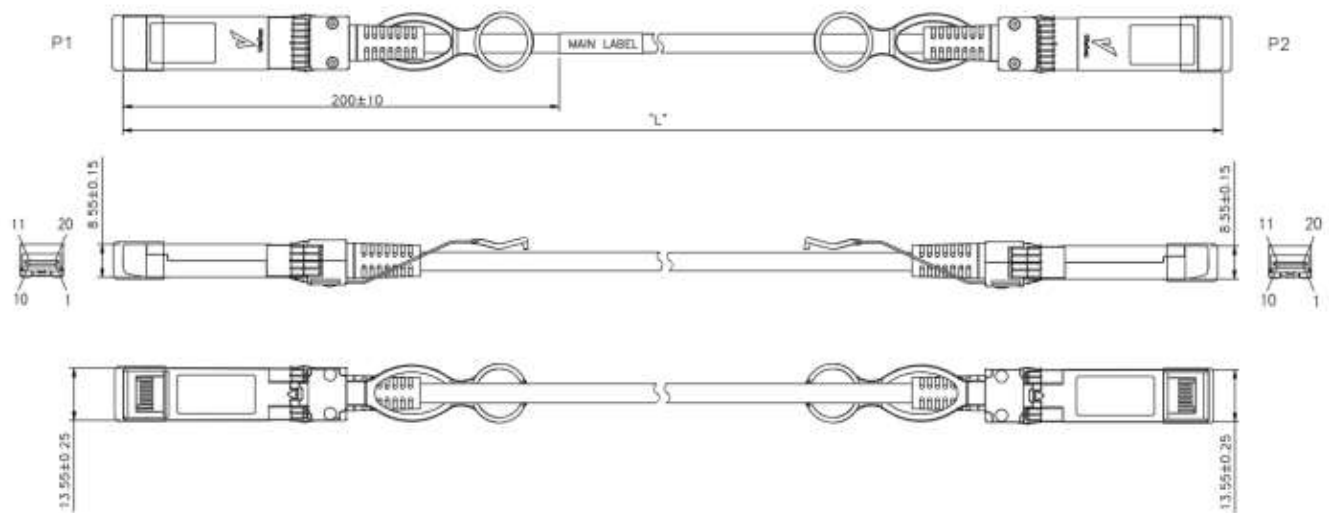100% tested for signal integrity with serial number traceability

FEATURES AND SPECIFICATIONS	
Product Type	SFP56 to SFP56 Passive Copper Cable Assembly
Conductor Treatment	Laser stripped conductors
Cable Type	High-speed twinax cable, 2-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	Maximum 170N per SFF8432 Minimum 90N per SFF8432
Insertion Force	Maximum 18N per SFF8432
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	Standards Compliance
• Switches, Servers, Routers, Storage Arrays • Networking Equipment • Data Centers • Storage Area Networks • Telecommunication Central Offices • Test and Measurement Equipment	• IEEE P802.3cd • SFF-8402, SFF-8432, SFF-8472 • EIA 364 • UL 94, 1581, VW1, File No. E510564 • RoHS

Mechanical Drawing

Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DS50PSG05BS	0.50	30	4.5
DS50PSG10BS	1.00	30	4.5
DS50PSG15BS	1.50	30	4.5
DS50PSG20BS	2.00	30	4.5
DS58PSG25BS	2.50	28	5.5
DS56PSG30BS	3.00	26	6.0

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

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