

25G SFP28

Active Copper Cable



Volex SFP28 Active Copper Direct Attach Cable features one transmitting and one receiving 25Gbps NRZ channels and meets IEEE 802.3 by 25G Ethernet standard. The Volex SFP28 active DAC enhances Signal Integrity severely stressed at high-speed data rate through advanced linear equalization.

The result is longer reach up to 9M vs 5M for the passive version and smallest cable size and highest flexibility. Also, IEEE CA-25G-N spec can be met for full in-rack cabling length to support no FEC for low latency application.

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.

The Volex SFP28 active DAC is designed to meet the next-gen data center needs and is a cost effective alternative to the high power consumption Active Optical Cable.



Low power consumption and heat dissipation



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



100% tested for signal integrity with serial number traceability

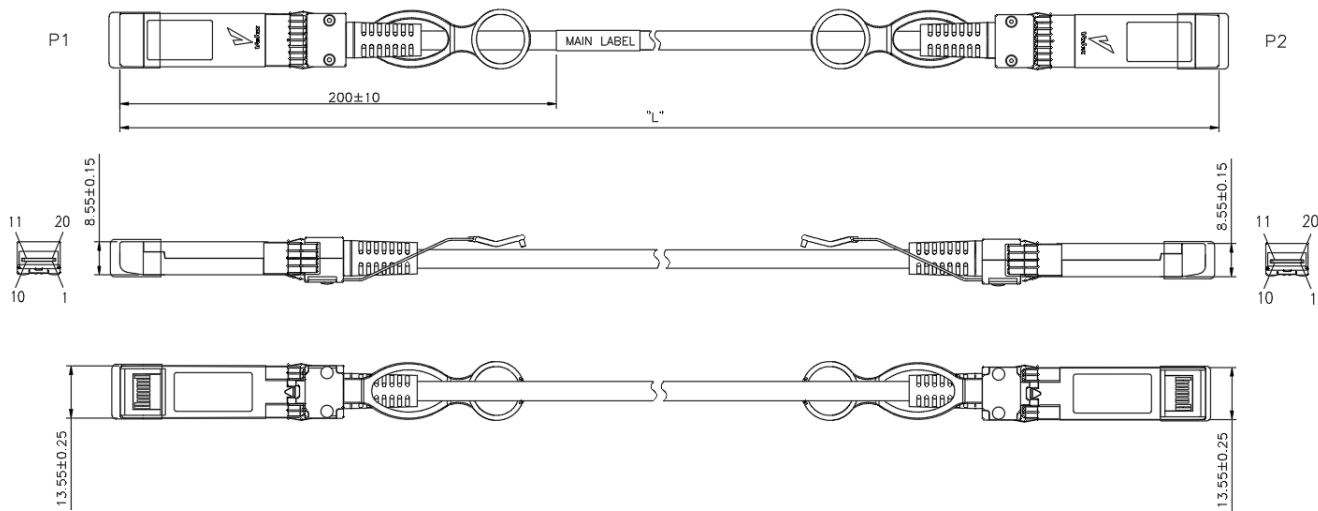
FEATURES AND SPECIFICATIONS

Product Type	SFP28 to SFP28 Active 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 SFF 8432 Minimum 90N per SFF 8432
Insertion Force	Maximum Maximum 18N per SFF 8432
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 Storage Area Networks Telecommunication Central Offices Test and Measurement Equipment 	<ul style="list-style-type: none"> IEEE P802.3by 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)
DS40PSG40BA	4.00	30	4.5
DS40PSG50BA	5.00	30	4.5
DS48PSG50BA	5.00	28	5.5
DS48PSG60BA	6.00	28	5.5
DS48PSG70BA	7.00	28	5.5
DS46PSG70BA	7.00	26	6.0
DS46PSG80BA	8.00	26	6.0
DS46PSG90BA	9.00	26	6.0

4.0 - 9.0m 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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