

# 10G SFP+

## Passive Direct Attach Cable



Volex SFP+ Passive Copper Direct Attach Cable features one transmitting and one receiving 10Gbps channels and meets IEEE 802.3ba 10G Ethernet and 8 Gbps Fiber Channel standard as compared to SFP, which is designed to support 1.125 Gbps Fiber Channel and 2.5 Gbps Gigabit Ethernet applications.

SFP+ connectors use the same space per port as standard SFP connectors, hence providing 11.1 Gbps capability in a space which is 30% smaller than XFP.

SFP+ cable assemblies support the SFP+ specifications covering 6 different standards, which define data rates from 8.5 to 11.1 Gbps. SFP+ cable assemblies are commonly referred to as 10 Gbps interconnect although the specification is up to 11.1 Gbps.



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

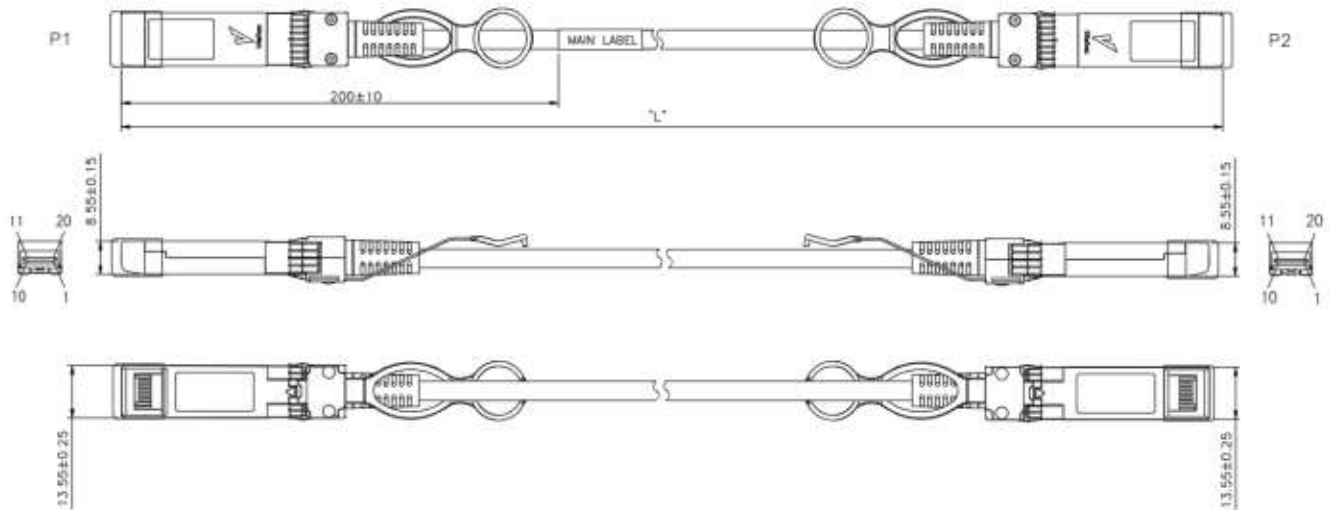
<b>Product Type</b>	SFP+ to SFP+ Passive Copper Cable Assembly
<b>Conductor Treatment</b>	Laser stripped conductors
<b>Cable Type</b>	High-speed twinax cable, 2-pair differential, 100 +/-5 ohms
<b>Cable Colour</b>	Black
<b>Cable Jacket</b>	PVC
<b>Packaging</b>	PE bag
<b>Power Supply Voltage</b>	3.3 V
<b>Temperature Range</b>	0 - 70°C
<b>Retention Force</b>	Maximum 170N per SFF 8432 Minimum 90N per SFF 8432
<b>Insertion Force</b>	Maximum 18N per SFF 8432
<b>EEPROM</b>	Each connector module contains an EEPROM to provide product information to the host system
<b>Cable Termination</b>	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
<ul style="list-style-type: none"> <li>Switches, Servers, Routers, Storage Arrays</li> <li>Networking Equipment</li> <li>Data Centers</li> <li>Storage Area Networks</li> <li>Telecommunication Central Offices</li> <li>Test and Measurement Equipment</li> </ul>	<ul style="list-style-type: none"> <li>IEEE P802.3ba, 8Gbps Fiber Channel</li> <li>SFF-8402, SFF-8432, SFF-8472</li> <li>EIA 364</li> <li>UL 94, 1581, VW1, File No. E510564</li> <li>RoHS</li> </ul>

## Mechanical Drawing



Volex P/N	Cable Length (m)	Cable Gauge (AWG)	Cable OD (mm)
DS30PSG05BL	0.50	30	4.5
DS30PSG10BL	1.00	30	4.5
DS30PSG20BL	2.00	30	4.5
DS30PSG30BL	3.00	30	4.5
DS30PSG40BL	4.00	30	4.5
DS36PSG50BL	5.00	26	6.0
DS36PSG60BL	6.00	26	6.0
DS34PSG70BL	7.00	24	6.0

0.5 - 7.0m lengths available with 24 - 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](mailto:sales@volex.com) for assistance in finding the right solution for your needs.