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Product Data Sheet

Key Highlights:

- Type: 50G Passive Twinax Cable
- Compatibility: Multi-Vendor MSA Compatible
- Media Type: Passive Copper Cable
- Max. Distance: 3 m
- Data Rate: 25.78 - 53.125 Gbps
- Temperature: Extended -20°C to +75°C
- Low Power Consumption: 1W
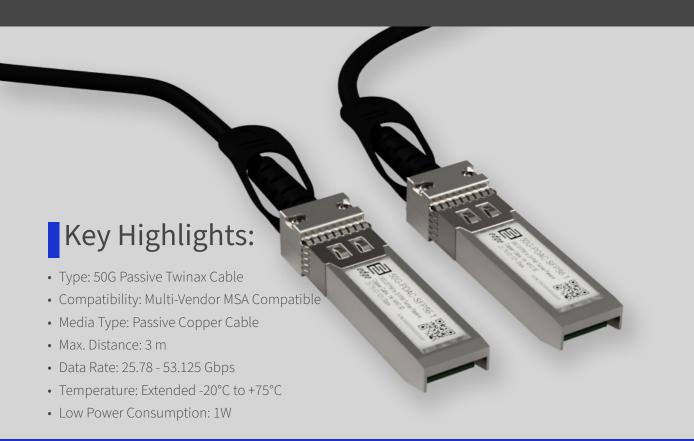
50G Passive Twinax Cable: 50G-PDAC-SFP56

Product Description:

50G-PDAC-SFP56 is a Multi-Vendor MSA Compatible 50G Passive Twinax Cable, operating over copper cable. The 50G Passive twinax cable is equipped with MSA standard compatible SFP56 transceiver assembly at each end of cable and uses Copper Twinax Cable in between the assembly unit. This cable is designed for operation in extended temperature networking environments ranging from -20°C to +75°C. Main difference distinguishing Passive from Active Twinax cables is that Passive cables do not support any electrical transmission signal boosting or regeneration.50G Passive Twinax cable support 25.78 – 53.125 Gbps multi-rate communication and such applications as 25G Ethernet and 50G Ethernet. It is important to note that the mentioned application support will vary depending on the port where the cable will be used, and it supported applications as well as cable speed configuration during ordering process, but we can ensure that our cable will support at least the same functionality as its OEM counterpart. Most popular applications of 50G Passive Twinax Cables are cost effective close range interconnections within equipment rooms of telecom operators or data centers, interconnecting LAN or SAN applications with speeds up to 50G.

50G Passive Twinax Cable is CE/RoHS certified and it is Compliant with product safety standards. 50G-PDAC-SFP56 is fully compliant to SFP56 Multi Source Agreement SFF-8402. Consequently, it means that module is compatible with 80% of networking equipment, where is not implemented a special algorithm for protection against third party modules. However – we can provide 56G Passive Twinax Cable with custom-encoded firmware in order to make it work almost in any equipment and we can support encoding of each end to support different vendor equipment, allowing using Passive Twinax Cable as cross-platform interconnection medium. We will be glad to hear Your requirements and our sales team will check all relevant details with You during the ordering procedure. Our focus is providing top quality service, we are performing serious quality checks before delivery of our products – Contact us.

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Product Specification:

Parameter	Value
Media Type:	Passive Twinax Cable
DAC Copper Type:	AWG26, AWG30
Maximum Distance:	1m, 2m, 3m
Supported Data Rate:	25.78 - 53.125 Gbps
Supported Applications:	10G Ethernet (10.31Gbps), 25G Ethernet (25.78Gbps), 50G Ethernet (53.125Gbps)
DDM/DOM:	Supported
Connectors:	SFP56
Temperature Range:	Extended -20°C to +75°C
Power:	+3.3V single power supply
Power Consumption:	1W
MTBF value at 35 °C:	1'000'000 Hours.
Compliance:	CE, RoHS, IEEE 802.3cd 50GBASE-SR, SFF-8402, IEEE802.3.bj

Supported Versions:

PN	Description
50G-PDAC-SFP56-1	Multi-Vendor Compatible 50G SFP56 to SFP56 Twinax Passive Copper Cable (25.78-53.125 Gbps, Max. 1m, AWG 30, Temp. -20-75C)
50G-PDAC-SFP56-2	Multi-Vendor Compatible 50G SFP56 to SFP56 Twinax Passive Copper Cable (25.78-53.125 Gbps, Max. 2m, AWG 30, Temp. -20-75C)
50G-PDAC-SFP56-3	Multi-Vendor Compatible 50G SFP56 to SFP56 Twinax Passive Copper Cable (25.78-53.125 Gbps, Max. 3m, AWG 30, Temp. -20-75C)

Product Data Sheet

Compatibility:

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more then 50 vendor brands in data and telecom communications industry:

MS - General MSA	**ER** - Ericsson	**IN** - Intel	**RD** - RAD
AD - ADVA	**EX** - Extreme Networks	**JU** - Juniper Networks	**RU** - Ruijie Networks
AL - Alcatel-Lucent	**F5** - F5 Networks	**LI** - Linksys	**SM** - Supermicro
AR - Arista	**FO** - Fortinet	**ML** - Mellanox	**SY** - Synology
AV - Avaya	**FU** - Fujitsu	**ME** - Meraki (Cisco)	**TC** - Telco Systems
BR - Brocade	**H3** - H3C	**MT** - MikroTik	**TP** - TP-LINK
CN - Ciena	**HI** - Hirschmann	**MO** - Moxa	**TN** - Trendnet
CI - Cisco	**HP*** - HP Networking	**MR** - MRV	**WG** - WatchGuard
DL - Dell & Force10	**HS*** - HP Storage	**NG** - Netgear	**ZT** - ZTE
DK - D-Link	**HU** - Huawei	**NS** - NSN	**XX** - Other
EM - EMC2	**IB** - IBM	**PA** - Palo Alto Network	
ET - Enterasys	**IF** - Infinera	**QL** - Qlogic	

Warranty:

EDGE Optic's provides a limited **warranty for sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.

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