

S100G-DD-DAC

SFP56 DD 100G Copper Twinax Cable Passive DAC

1. Product overview

GLOBALfiber S100G-DD-DAC is a passive direct attach copper cable assembly for short-distance host interconnection.

2. Key features

SFP-DD; two 50 Gb/s transmit and receive channels; up to 3 m.

3. Applications

100G Ethernet, InfiniBand HDR and 128G Fibre Channel.

4. Technical data

Parameter	Specification
Channels / data rate	2 TX and 2 RX; 50 Gb/s per channel; 100 Gb/s aggregate
Maximum length	3 m
Electrical connector	40-pin edge connector
Management	Serial I2C
0.5 m / 1 m variants	30 AWG; minimum bend radius 23.6 mm
2 m variant	28 AWG; minimum bend radius 25.2 mm
3 m variant	26 AWG; minimum bend radius 28.8 mm
Cable jacket / type	PVC / passive DAC

5. Recommended operating conditions

Parameter	Specification
Operating case temperature	0 to +70°C
Storage temperature	-40 to +85°C
Supply voltage	3.3 V nominal



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6. Optical characteristics

Not applicable. This is a passive copper cable; optical wavelength, launch power and receiver sensitivity do not apply.

7. Digital diagnostics and management

I2C serial identification interface.

8. Safety and regulatory

SFP-DD MSA; IEEE 802.3cd; RoHS 2011/65/EU. Use ESD-safe handling and observe the stated cable bend limits.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	S100G-DD-DAC
Product description	SFP56 DD 100G Copper Twinax Cable Passive DAC
Selectable lengths	0,5 m, 1 m, 1,5 m, 2 m, 2,5 m, 3 m
Available coding	Dell, Generic, Juniper

Confirm equipment model, port mode and software version when ordering. Coding availability does not guarantee support for every platform or mode.