

O800G-F-2O-F-DAC

OSFP 800G Finned to 2x400G OSFP Finned Passive Breakout DAC Cable

1. Product overview

GLOBALfiber O800G-F-2O-F-DAC is a passive direct attach copper cable assembly for short-distance host interconnection.

2. Key features

OSFP to 2 x OSFP; 800G breakout; maximum source length 1.5 m. Power: <=0.1 W.

3. Applications

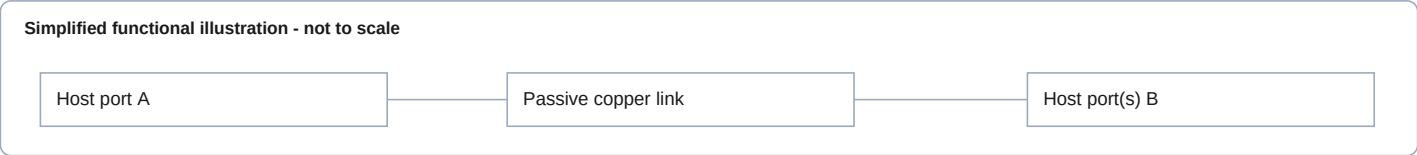
Ethernet; short links within or between adjacent racks.

4. Technical data

Parameter	Specification
Connection Testing (Capacitance Measurement)	Item: G1; CTXy-RXy (300us@3V); Requirement: 100nF ± 10%
Short Circuit Testing	Item: G2; RXXy-XXy (500us@3V DC); Requirement: >= 1Mohm
Max. Insertion Loss@26.56GHz	Item: S1; SDD12 SDD21; Requirement: <= 19.75dB
Min. Cable Assembly ERL	Item: S2; ERL; Requirement: >=8.25dB
Differential to Common Mode Conversion (Up to 40GHz)	SCD12-SDD12 / SCD21-SDD21 >=10 dB for 0.05 <= f <12.89 GHz; >=14-0.3108*f dB for 12.89 <= f <=40 GHz

5. Recommended operating conditions

Parameter	Specification
Power consumption	<=0.1 W
Operating case temperature	0 to +70°C



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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

No detailed digital diagnostic specification is provided for this passive cable.

8. Safety and regulatory

OSFP MSA; IEEE 802.3ck. Use ESD-safe handling and observe the stated cable bend limits.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	O800G-F-2O-F-DAC
Product description	OSFP 800G Finned to 2x400G OSFP Finned Passive Breakout DAC Cable
Selectable lengths	0,5 m, 1 m, 1,5 m
Available coding	Arista, Generic, NVIDIA-Mellanox(ETH)

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

Cable variants documented in the technical source:

Parameter	Specification
0.5m	Data Rate: 800G; Wire Gauge: 30AWG; Connector Type: Passive Copper; Temp. Range: 0-70°C; Cable Jacket: PVC
1m, 1.5m	Data Rate: 800G; Wire Gauge: 28AWG; Connector Type: Passive Copper; Temp. Range: 0-70°C; Cable Jacket: PVC