

O800G-F-2Q-DAC

OSFP 800G Finned to 2x400G QSFP112 Passive Breakout DAC Cable

1. Product overview

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

2. Key features

OSFP to 2 x QSFP112; 800G to 2 x 400G; up to 2 m. Power: 0.1 W.

3. Applications

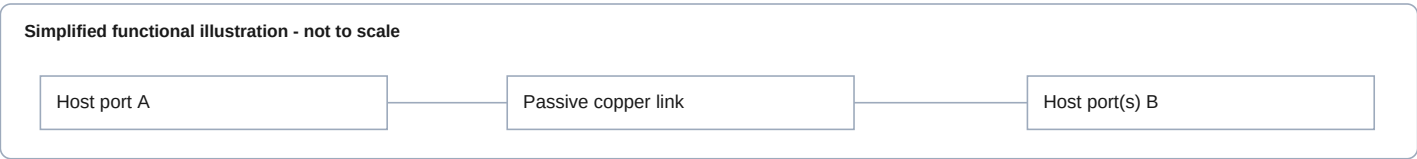
800G to 2 x 400G InfiniBand NDR breakout/Ethernet

4. Technical data

Parameter	Specification	Parameter	Specification
Current	Test Condition: /; 0.5A per contact	Un-mating Forces	Test Condition: A rate of 10mm per minute; OSFP<30N QSFP<30N
Voltage	Test Condition: /; 30VDC per contact	Latch Strength	Test Condition: Pull to separate module from cage, Test with connector, cage& module(latch engaged); Minimum of an125N force
LLCR	Test Condition: EIA 364-23, 20mVDC 100mA; less than 2ohms	Bulk Cable Retention in Module	Test Condition: Pull to separate bulk cable from module, Test with cable assembly only; Minimum of an 90N force
Continuity	Test Condition: Verify the continuous electrical path; No open, short, or high resistance	Wire Flex	Test Condition: Flex cable 180°for 10 cycles at X/Y axis, 20times/minutes, with an1kg suspended weight.Type CEIA364-41, test conditionI; No microsecond discontinuitiesare allowed
SDD21& SDD12	Test Condition: <=19.75dB Min. @26.56GHz; >=11.0dB Max. @26.56GHz;; Notes: From 0.01GHz to 26.56GHz	Durability	Test Condition: Perform 50 unplug/plugcycles; No evidence of physical damage
ERL	Test Condition: Minimum cable assembly ERL(*): >=8.25dB	Cable Minimum Bend Radius	Test Condition: Min.bending radius allowed: repeated 10Xdiameter single 5Xdiameter ; 1. No physical damage 2. Verify continuity and SI
SCD12-SDD12 SCD21-SDD21	Test Condition: >=10 0.05GHz<= f< 12.89GHz >=14-0.3108f 12.89GHz<= f<= 40GHz; Notes: (up to 40GHz)		
Mating Forces	Test Condition: A rate of 10mm per minute; OSFP<40N QSFP<60N		

5. Recommended operating conditions

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



O800G-F-2Q-DAC

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

CMIS revision 5.0 management.

8. Safety and regulatory

OSFP MSA; QSFP112 MSA; CMIS 5.0; IEEE 802.3ck. Use ESD-safe handling and observe the stated cable bend limits.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	O800G-F-2Q-DAC
Product description	OSFP 800G Finned to 2x400G QSFP112 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 to 70°C; Cable Jacket: PVC (OFNR)
1m, 1.5m, 2m	Data Rate: 800G; Wire Gauge: 28AWG; Connector Type: Passive Copper; Temp. Range: 0 to 70°C; Cable Jacket: PVC (OFNR)