

Q200G-DAC

QSFP56 200G Copper Twinax cable Passive 200Gbase-CR4 DAC

1. Product overview

GLOBALfiber Q200G-DAC is a passive direct attach copper cable assembly for short-distance host interconnection.

2. Key features

QSFP56 to QSFP56; four full-duplex 50G PAM4 channels.

3. Applications

200 Gigabit Ethernet, Fibre Channel over Ethernet, SAN and data centers.

4. Technical data

Parameter	Specification
SDD21& SDD12	-17.16dBMin.@13.28GHz; Notes: From0.01GHz-19GHz
SDD11& SDD22	-16.5+2*sqrt(f)dBMax.@0.05GHz~4.1GHz -10.66+14*log(f/5.5)dBMax.@4.1GHz~10GHz; Notes: From0.01GHz- 19GHz
SCD21-SDD21	-10dBMax.@0.01GHz~12.89GHz -27+(29/22)*fdBMax.@12.89GHz~15.7GHz -6.3dBMax.@15.7GHz~19GHz; Notes: From0.01GHz- 19GHz
CableGuage	Diameter"OD"; Notes: Min.BendRadius"R"; Min.BendSpace"L"
30AWG	7.8mm; Notes: 39mm; 80mm
26AWG	8.9mm; Notes: 44.5mm; 89mm

5. Recommended operating conditions

Parameter	Specification
StorageTemperature	Min: -40; Max: +85; Unit: °C
Operating CaseTemperature	Min: 0; Max: +70; Unit: °C
Power SupplyVoltage	Min: 3.14; Typ.: 3.3; Max: 3.47; Unit: V
Data Rate PerLane	Min: 1; Max: 50; Unit: Gb/s



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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

Customizable I2C two-wire EEPROM identification.

8. Safety and regulatory

QSFP56 MSA; SFF-8436; IEEE 802.3cd; RoHS. Use ESD-safe handling and observe the stated cable bend limits.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	Q200G-DAC
Product description	QSFP56 200G Copper Twinax cable Passive 200Gbase-CR4 DAC
Selectable lengths	0,5 m, 1 m, 2 m, 3 m
Available coding	Arista, Cisco, 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, 1m, 1.5m, 2m	DataRate: 200G; WireGauge: 30AWG; ConnectorType: PassiveCopper; Temp.Range: 0-70°C; CableJacket: PVC
3m	DataRate: 200G; WireGauge: 26AWG; ConnectorType: PassiveCopper; Temp.Range: 0-70°C; CableJacket: PVC