

QDD-200G-DAC

QSFP-DD 200G Passive Direct Attach Copper Twinax DAC Cable

1. Product overview

GLOBALfiber QDD-200G-DAC is a passive direct attach copper cable assembly for short-distance host interconnection.

2. Key features

QSFP-DD to QSFP-DD; passive 200G copper twinax; hot-pluggable; lengths 0.5-3 m. Power: 0.1 W.

3. Applications

200G Ethernet.

4. Technical data

Parameter	Specification	Parameter	Specification
Cable colour / jacket	Black / polyvinyl chloride (PVC)	Mating / unmating force	QSFP-DD <90 N / <50 N; test speed 10 mm/min
Backshell	Nickel-plated zinc	Latch strength	125 N minimum; connector, cage and module with latch engaged
Minimum bend radius	34.5 mm in features; 10 x outer diameter in specification table	Bulk cable retention	90 N minimum; cable assembly only
Resistance	2 ohm maximum	Wire flex	180°, 10 cycles at X/Y axis, 20 cycles/min, 1 kg suspended weight; EIA 364-41 Type C condition I; no microsecond discontinuities
Insulation resistance	10 Mohm minimum	Durability	50 unplug/plug cycles; no physical damage
SDD21 / SDD12	-22.48 dB minimum at 12.89 GHz	Cable bend test	10 x outer diameter; no physical damage; verify continuity and signal integrity
SDD11 / SDD22	-16.5+2*sqrt(f) dB maximum for 0.05-4.1 GHz; -10.66+14*log(f/5.5) dB maximum for 4.1-10 GHz		
SCD21 - SDD21	-10 dB max for 0.01-12.89 GHz; -27+(29/22)*f dB max for 12.89-15.7 GHz; -6.3 dB max for 15.7-19 GHz		

5. Recommended operating conditions

Parameter	Specification
Power consumption	0.1 W maximum
Operating case temperature	0 to +70°C
Storage temperature	-40 to +85°C
Supply voltage	3.135 to 3.465 V; 3.3 V typical
Data rate per lane (source label)	200 Gbps typical; see General notes



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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

CMIS revision 4.0 management. Optical diagnostics do not apply to this passive copper cable. Two-wire interface: SCL pin 11, SDA pin 12. Module select pin 8; reset 9; presence 27; interrupt 28; InitMode 31 (LPMODE in legacy QSFP applications).

8. Safety and regulatory

IEEE 802.3bj; QSFP-DD MSA revision 5.0; CMIS 4.0; SFF-8417. Use ESD-safe handling and observe the stated cable bend limits.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	QDD-200G-DAC
Product description	QSFP-DD 200G Passive Direct Attach Copper Twinax DAC Cable
Selectable lengths	0,5 m, 1 m, 1,5 m, 2 m, 2,5 m, 3 m
Available coding	Dell, Generic

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
0.5 m, 1 m, 1.5 m	200G; 30 AWG; passive copper; 0-70°C; PVC
2 m, 2.5 m, 3 m	200G; 28 AWG; passive copper; 0-70°C; PVC