

100G QSFP28 DAC 0.5-5m

100G Eth, QSFP28, DAC, passive, 0.5 to 5m, 30/28/26AWG

QD11-CG-xxM-yyC1

OVERVIEW

The QD11-CG-xxM-yyC1 is a passive Direct Attach Copper (DAC) cable designed for 100 Gigabit Ethernet and InfiniBand EDR applications. The cable assembly integrates QSFP28 connectors at both ends and provides four electrical lanes that operate at 25Gbps each for a combined 100Gbps link. The passive copper design ensures very low power consumption and simple plug and play operation without the need for active components.

The assembly is compliant with the QSFP28 Multi-Source Agreement and supports IEEE 802.3bj electrical specifications. It offers low crosstalk, low insertion loss and stable high-speed transmission. Each connector includes an EEPROM that supports cable identification, monitoring and host system communication.

This DAC cable is available in a commercial operating temperature range of 0°C to +70°C. It is suitable for top of rack switching, data center interconnects, InfiniBand systems and short reach high bandwidth applications where low latency and low power are required. The thickness of the cable is defined by the AWG (American Wire Gauge) rating value. As an example, an AWG26 DAC cable is thicker and heavier than the AWG30.

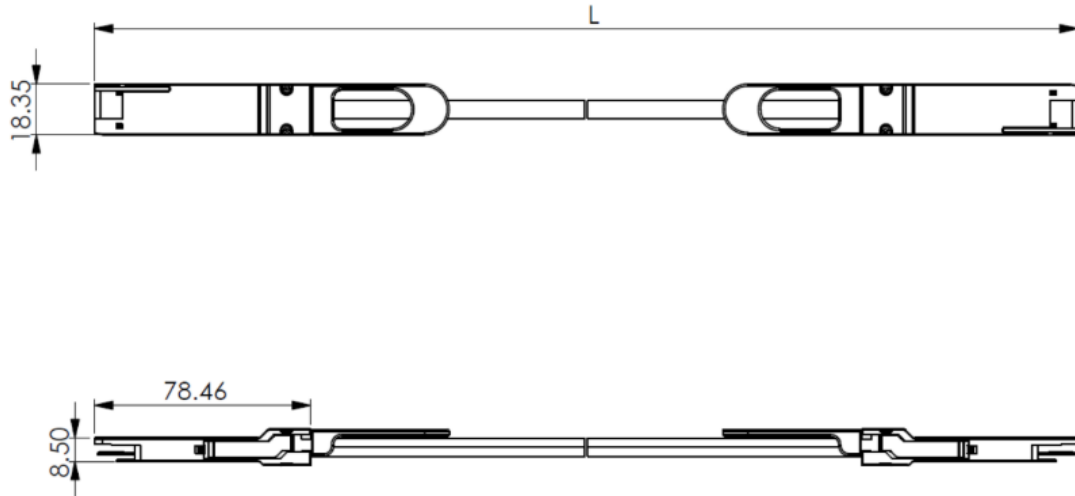
KEY SPECIFICATIONS

- 100G QSFP28 passive DAC cable assembly
- Four lane 25Gbps electrical interface for 100Gbps data rate
- Compliant with QSFP28 MSA, IEEE 802.3bj and InfiniBand EDR
- Very low power consumption below 0.07W
- Wire gauge: 30/28/26AWG
- Cable length: 0.5m, 1m, 2m, 3m, 4m, 5m
- Operating temperature: 0°C to +70°C
- Hot pluggable with low crosstalk and controlled impedance

APPLICATIONS

- 40G Ethernet
- Servers, Routers and Switches
- Data centers

DIMENSIONS



ORDERING INFORMATION

Ordering Code	Description
QD11-CG-5M-30C1	100G QSFP28, DAC, passive, 0.5m, 30AWG, 0 to 70C
QD11-CG-01M-30C1	100G QSFP28, DAC, passive, 1m, 30AWG, 0 to 70C
QD11-CG-02M-30C1	100G QSFP28, DAC, passive, 2m, 30AWG, 0 to 70C
QD11-CG-03M-28C1	100G QSFP28, DAC, passive, 3m, 28AWG, 0 to 70C
QD11-CG-04M-28C1	100G QSFP28, DAC, passive, 4m, 28AWG, 0 to 70C
QD11-CG-05M-26C1	100G QSFP28, DAC, passive, 5m, 26AWG, 0 to 70C

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