

QSFP56 – QSFP56 DAC, Passive

QSFP56, Direct Attach Cable (DAC), AWG30/26, 0.5 to 3m, passive

DQ5001-XXXX-SO

The DQ5001-xxxC-SO is an Passive Direct Attach Cable (DAC) solution of Twinax type, i.e. a copper cable similar to coaxial cable, but with two inner conductors instead of one. DQ5001-xxxC-SO is a solution for 200Gbps connections within racks and across adjacent racks where the interconnected equipment uses QSFP56 interfaces. It provides a cost-efficient solution as compared to using optical transceivers and it simplifies the patching since no separate transmit/receive direction has to be taken into account.

A DQ5001-xxxC-SO fits into QSFP56 ports and is intended for 200Gbps Ethernet and 200G HDR InfiniBand services.

The DQ5001-xxxC-SO is provided in lengths from 0.5 to 3 meters (1.6 to 16.4 ft).

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.

PRODUCT FEATURES

- QSFP56 MSA compliant
- QSFP56 to QSFP56 connectivity
- Supports 200 Gigabit Ethernet (IEEE 802.3, 200GAUI-2)
- 0.5 to 3 meters (1.6 to 9.8 ft)
- AWG26/30 (cable thickness)
- Operating case temperature 0 to +70°C
- RoSH compliant

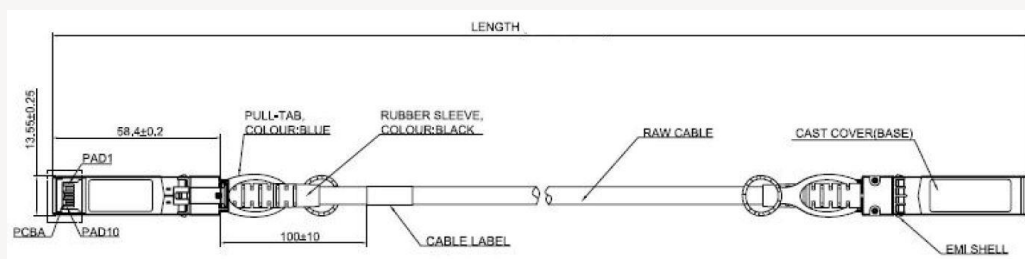
APPLICATIONS

- Data Center cabling infrastructure

ORDERING INFORMATION

Part number	Description
DQ5001-0M5C-SO	QSFP56 to QSFP56 Direct Attach Cable (DAC), 200G Ethernet, Infiniband HDR, AWG30, 0.5m, passive
DQ5001-001C-SO	QSFP56 to QSFP56 Direct Attach Cable (DAC), 200G Ethernet, Infiniband HDR, AWG30, 1m, passive
DQ5001-1M5C-SO	QSFP56 to QSFP56 Direct Attach Cable (DAC), 200G Ethernet, Infiniband HDR, AWG30, 1.5m, passive
DQ5001-002C-SO	QSFP56 to QSFP56 Direct Attach Cable (DAC), 200G Ethernet, Infiniband HDR, AWG26, 2m, passive
DQ5001-003C-SO	QSFP56 to QSFP56 Direct Attach Cable (DAC), 200G Ethernet, Infiniband HDR, AWG26, 3m, passive

MECHANICAL DRAWING



Minimum bend radius AWG30: 23mm

Minimum bend radius AWG26: 28mm

Subject to change without notice.

For more information visit smaroptics.com.

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