

400G/200G QSFP-DD Dual-Density Cable Assembly

This dual-density 8-channel cable assembly supports both 25G/channel NRZ and 50G/channel PAM 4 signaling protocols. The cable assembly provides 200G and 400G total bandwidth to meet bandwidth requirements.



Overview

High-Density Connectivity Solution

The QSFP-DD dual-density 8-channel cable assembly is engineered to meet the rigorous demands of modern data centers and high-performance computing environments. Supporting both 25G NRZ and 50G PAM4 signaling, it provides versatile 200G and 400G bandwidth options to ensure future-proof network scalability. With low power consumption and compliance with industry-standard MSA and IEEE protocols, this cable assembly offers reliable, high-speed connectivity for next-generation networking equipment.

Technical Standards

IEEE Standards Compliance	IEEE 802.3cd (400GBASE-CR8), IEEE 802.3bj (100GBASE-CR4), IEEE 802.3by (25 Ethernet)
Interface Compliance	QSFP-DD MSA

Performance Metrics

Data Rate

400 Gbps
Total Bandwidth

Signaling Protocols

NRZ 28G • PAM-4 56G

Power Consumption

< 0.5W (Passive)

Physical Specifications

Supported Wire AWG

- 32
- 30
- 28

Material Options

LSZH Available

Passive DAC Length

0.5 - 3.0 Meters

Product Configurations

Available Configurations

Configuration Type

QSFP-DD to QSFP-DD 400G DAC

QSFP-DD to QSFP-DD 400G ACC Redriver Cable

QSFP-DD 400G to 2* QSFP56 100G DAC

QSFP-DD 400G to 8* SFP56 50G DAC

QSFP-DD 200G to 2* QSFP28 100G DAC

QSFP-DD 200G to 8* SFP28 25G DAC

Target Applications

Supported Applications

- 400G/200G Ethernet
- InfiniBand EDR/HDR
- Fibre Channel
- Storage, Switch, & RAID Systems
- High-Performance Computing (HPC)
- Network Interface Cards (NIC's)
- Telecommunication Equipment
- Data Center and Enterprise Storage