

# 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