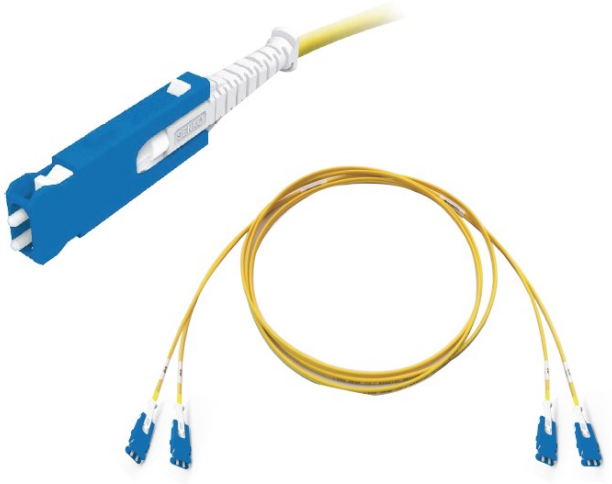
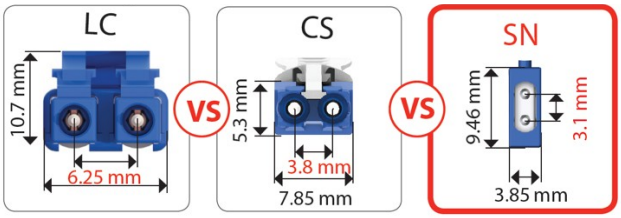
## Overview

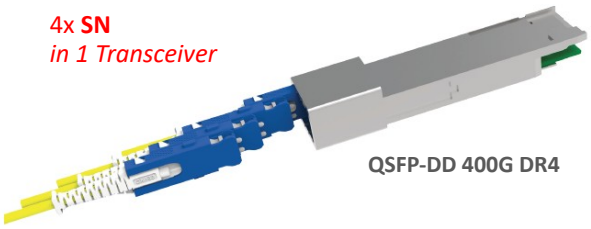
The SN™ Duplex Connector is optimized for 400G next generation data centers. This LC 1.25MM ferrule base duplex connector has a pitch of 3.1MM. A high-density solution, it provides 20% the size reduction compared to a typical CS™ duplex connector. The SN™ connector is designed for breakout applications on QSFP-DD Modules.



**Size comparation**




4x **SN**
*in 1 Transceiver*




## Features & Benefits

- Effective size reduction compared to LC Duplex
- Designed for OSFP/QSFP-DD break out application.
- Proven 1.25 mm ferrule technology.
- 4 Duplex connectors (total 8-fibers) in OSFP/QSFP-DD footprint.
- IEC random mating Grade B.

## Applications

- Data Center networking
- High-density cross-connect systems
- Backbone and structured cabling
- Telecom and carrier networks
- Enterprise and campus environments
- Equipment rooms and optical panels
- Test labs and development facilities

## Optical Performance Specifications

| Fiber Type | SM(G657A2) | | MM |
|---|---|---|---|
| Polishing | UPC | APC | PC |
| Insertion Loss | < 0.3dB | < 0.5dB | < 0.3dB |
| Return Loss | ≥ 50dB | ≥ 60dB | ≥ 25dB |
| Durability Matings | >1000 Matings | | >1000 Matings |
| Core Diameter | 9/125 µm | | 50/125 µm or 62.5/125 µm |
| Operating Temperature | -40 ºC to 80 ºC | | |

*Note: Specifications subjected to changes due to customization.*

## Product Selection

**Part Number: AB-CDEFg-XXM**

| AB | C | DE | F | g (optional) | LB |
|---|---|---|---|---|---|
| 11U (SN-SN) | 3 (SMF) | 02 | 0 (PC) | P (Plenum) | Length |
| 12U (SN-LC) | 4 (OM3) | 04 | 1 (UPC) | M (1.6mm jacket) | (Meters) |
| 13U (SN-SC) | 8 (OM4) | 08 | 2 (APC) | L (LSZH) | |
| 14U (SN-FC) | 9 (OM5) | 12 | | | |
| 15U (SN-MPO) | | | | | |

## Standards Compliance

- IEC Random Mating Grade B

RoHS