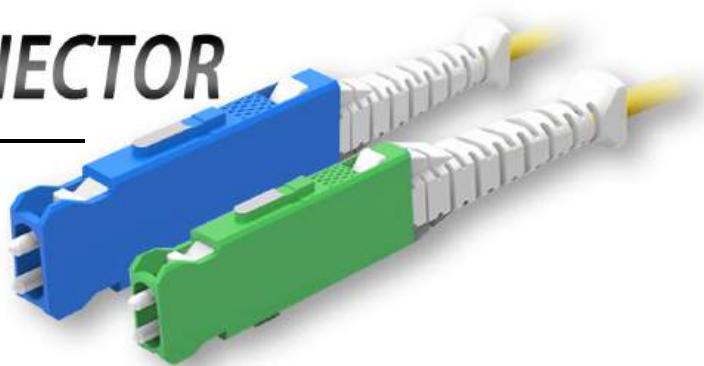


# SN STANDARD CONNECTOR

## 1-Channel (2F) 1.6mm and 2.0mm Cable



The SN connector delivers exceptional port density and carrier-class reliability in a compact Base-2 design. Optimized for high-speed networking, it enables easy migration to 400G and beyond while maximizing space efficiency in existing infrastructure.

Compatible with rugged 1.6 mm or 2.0 mm round cable and featuring a push-pull latch, this connector ensures secure handling in dense panels. An optional gang-clip allows four connectors to be installed simultaneously into adapters or quad-channel transceivers, streamlining deployment in data centers and telecom environments.

### Features

- Unique push-pull boot for simple installation and removal.
- Very Small Form Factor (VSFF) connector, 3 x fiber cabling density over Duplex LC.
- Meets IEC random mating Grade B.
- Optimized for 400G data rates with QSFP-DD, OSFP and SFP-DD transceivers.
- Direct transceiver breakout in spine/leaf architectures.
- Up to 4 x SN connectors per transceiver.
- Combines two 1.25 mm ceramic ferrules.
- Easy identification of the connector alignment key.

### Applications

- High-density patching
- QSFP-DD, OSFP and SFP-DD transceiver links for higher data rates
- Hyperscale, edge, enterprise and colocation data centers
- Hybrid Base-2 cable assemblies combining SN and other duplex connector types

### Key benefits

- ✓ Excellent value for performance

## Optical Data

	Singlemode				Multimode
	UPC		APC		MM
	SM Premium Low Loss	SM Premium	SM Premium Low Loss	SM Premium	Premium
Typical Insertion Loss (dB)*	0.05	0.08	0.07	0.12	0.05
Max. Insertion Loss (dB)*	0.15	0.20	0.15	0.25	0.15
Typical Return Loss (dB)*	$\geq 55$		$\geq 65$		$\geq 25$
Ferrule Diameter ( $\mu\text{m}$ )	125.5				127

\*Based on master grade jumper to low loss random mating test

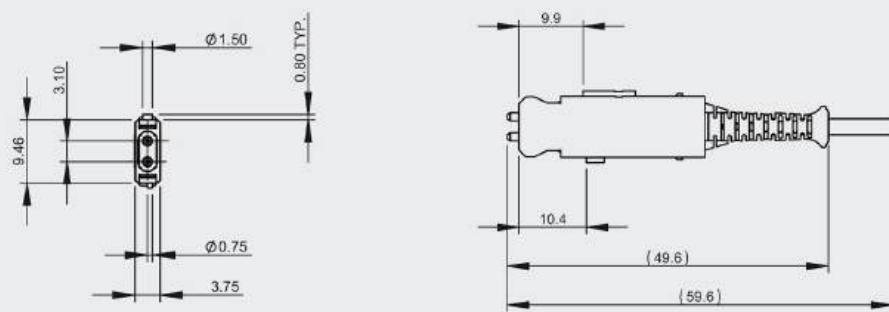
## Mechanical Data

	Value
Durability	500 matings per TIA-568
Fiber Count	Duplex (2 fiber)
Cable Suitability	1.6mm/2.0mm jacked
Ferrule Material	Zirconia
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

## Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

## Connector Drawing



Note: 1. All dimensions are in mm.

2. Specifications subject to change without notice.