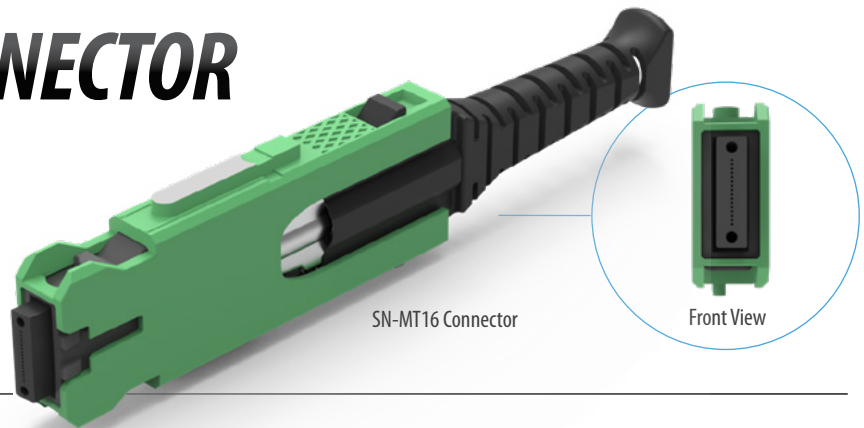


## SN®-MT16 CONNECTOR

16-Fiber, 200  $\mu\text{m}$   
Single Row  
2.0 mm Cable



SENKO's SN®-MT16 is an extension of the SN® range and incorporates a single, compact SN-MT ferrule with 16 x 200  $\mu\text{m}$  fibers in a single row. Subsequently, the SN®-MT ferrule can achieve 2.7 times the density of MPO16 whilst leveraging the same proven alignment methods. This combination ensures low-loss performance for singlemode and multimode APC applications whilst delivering optimized patch-panel density required in today's Hyperscale data centers.

The SN®-MT16 further increases the density capabilities of the SN® family by providing a patch panel density of 3,456 fibers per 1RU. This is as much as 3 x the density of MPO16 connectors occupying the same rack space. Additionally, the SN®-MT16 is compatible with next-generation 200  $\mu\text{m}$  'rollable ribbon' cables that significantly reduce the cable congestion within cable pathways and trunks. The SN®-MT16 connector is also suitable for ganged installations where as many as four connectors can be patched simultaneously to a 4-port adapter. This function converts the connector from a 16f connector to a 64f connector and makes it ideal for high-density trunk applications.

### FEATURES

- Compatible with 200  $\mu\text{m}$  rollable ribbon cables
- Allows up to 3,456 fibers per 1RU
- Low-loss, compact SN-MT ferrule
- 2.7 x denser than MPO16 per 1RU
- 1.3 x denser than MPO32 per 1RU
- Max. insertion loss 0.35 dB
- Push-pull boot for fast and simple MACs
- Optimized for 800G data rates with QSFP-DD, OSFP and SFP-DD transceivers
- Up to 4 x SN®-MT connectors per transceiver
- Wide range of connector and adapter types for legacy upgrades or greenfield applications

### APPLICATIONS

- High-density trunks and patching
- Co-packaged optics
- High-density, high-data rate switches
- AI and super-compute clusters
- QSFP-DD and OSFP transceiver links
- Hyperscale, edge, enterprise and colocation data centers

### KEY BENEFITS

- ✓ **2.7 x denser than MPO**
- ✓ **Future-proofed for next-generation data rates**

## Mechanical Data

	Value
Durability	50 matings per GR-1435-Core
Fiber Count	Multi-fiber (16 Fibers)
Cable Suitability	2.0 mm jacketed
Ferrule Material	Polymer
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

## Optical Data

	Singlemode	Multimode
	APC	MM (APC)
	SM Premium Low Loss	Premium
Typical Insertion Loss (dB)*	0.15	0.15
Max. Insertion Loss (dB)*	0.35	0.35
Typical Return Loss (dB)*	≥60	≥45
Ferrule Diameter (µm)	SN-MT ferrule 16-fiber, 200 µm in a single row	

\* Specifications provided are target only based on master grade jumper to low loss random mating test

## Environmental Data

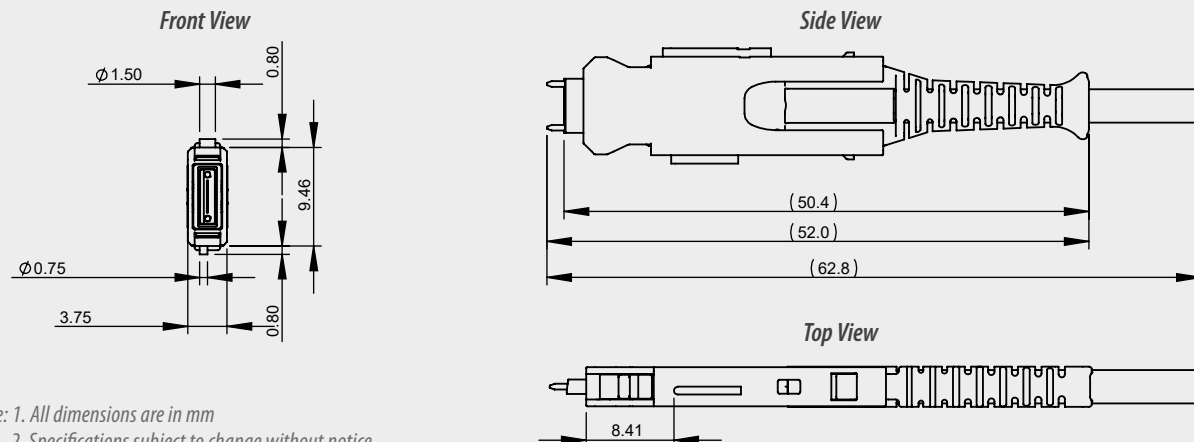
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

## SN®-MT16 CONNECTOR

16-fiber, 200 µm, single row

SN-MT CONNECTOR DATA SHEET

### SN®-MT16 Standard Drawing



#### ORDERING



CONNECTOR TYPE	GUIDE PIN GENDER	PERFORMANCE	FIBER COUNT	HOUSING COLOR	BOOT TYPE	BOOT COLOR
641 SN-MT Connector with Ferrule	F Female (Without Pin)	SL SM Super Low Loss	16 16 Fiber	G SM Green	1 Bare Ribbon Fiber Boot	3 Black
	M Male (With Pin)		24 24 Fiber		4 50 mm Boot (50T)	
	G With Changeable Keeper				5 70 mm Boot (70T)	



CONNECTOR TYPE	GUIDE PIN GENDER	PERFORMANCE	FIBER COUNT	HOUSING COLOR	BOOT TYPE	BOOT COLOR
642 SN-MT Connector with Ferrule	F Female (Without Pin)	SL SM Super Low Loss	16 16 Fiber	G SM Green	2 44 mm Boot (44T)	1 White
	M Male (With Pin)		24 24 Fiber			3 Black
	G With Changeable Keeper					



CONNECTOR TYPE	GUIDE PIN GENDER	PERFORMANCE	FIBER COUNT	HOUSING COLOR	BOOT TYPE	BOOT COLOR
xxx SN-MT Connector with Ferrule	F Female (Without Pin)	ML MM Low Loss	16 16 Fiber	B MM Black	1 Bare Ribbon Fiber Boot	3 Black
	M Male (With Pin)		24 24 Fiber		4 50 mm Boot (50T)	
	G With Changeable Keeper				5 70 mm Boot (70T)	

Note: Connector supplied with protective dust-cap

**Contact  
SENKO**

Contact [sales@senko.com](mailto:sales@senko.com)  
for availability and to learn more

# SENKO<sup>®</sup>

Advanced Components

[sales@senko.com](mailto:sales@senko.com)  
1-858-623-3300

[senko.com/contact](https://senko.com/contact)