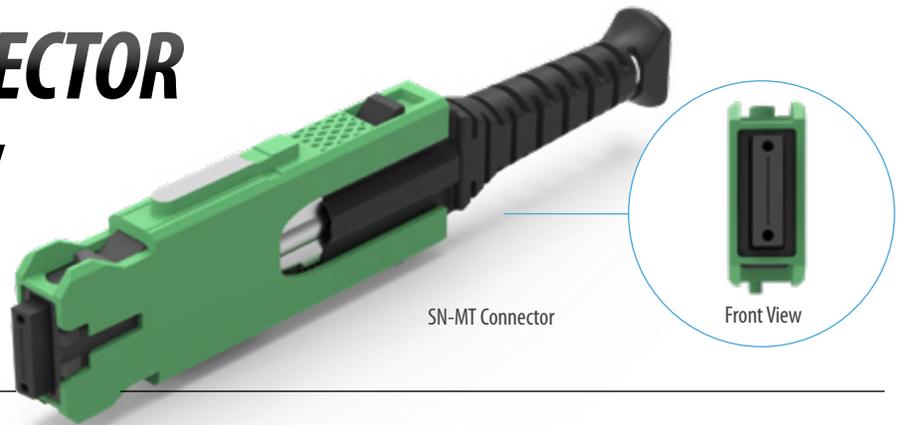


SN[®]-MT CONNECTOR

16-Fiber, Single Row

32-Fiber, Dual Row

200 μm



SENKO's SN[®]-MT is an extension of the SN[®] range and incorporates a single, compact SN[®]-MT ferrule with the option of 16 x 200 μm fibers in a single row or 32 x 200 μm fibers in dual rows. Subsequently, the SN[®]-MT ferrule can achieve 2.7 times the density of MPO32 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[®]-MT further increases the density capabilities of the SN[®] family by providing a patch panel density of 6,912 fibers per 1RU. This is as much as 3 x the density of MPO16 connectors occupying the same rack space. Additionally, the SN[®]-MT is compatible with next-generation 200 μm 'rollable ribbon' cables that significantly reduce the cable congestion within cable pathways and trunks. The SN[®]-MT 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 μm rollable ribbon cables
- Allows up to 6,912 fibers per 1RU with SN-MT32
- Low-loss, compact SN-MT ferrule
- 2.7 x denser than MPO32 per 1RU
- Max. insertion loss 0.35 dB
- Push-pull boot for fast and simple MACs
- Optimized for 800G/1.6Tb 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-gen data rates**

Mechanical Data

	Value
Durability	50 matings per GR-1435-Core
Fiber Count	Multi-fiber (16 or 32 Fibers)
Cable Suitability	2.0 mm and 2.6 mm jacketed (16 Fibers) 3.0 mm jacketed (32 Fibers)
Ferrule Material	Polymer
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

Optical Data

	Singlemode
	APC
	SM Super Low Loss
Typical Insertion Loss (dB)*	0.15
Max. Insertion Loss (dB)*	0.35
Typical Return Loss (dB)*	≥60
Ferrule Diameter (µm)	SN-MT ferrule 16-fiber, 200 µm in a single row SN-MT ferrule 32-fiber, 200 µm in dual rows

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

Environmental Data

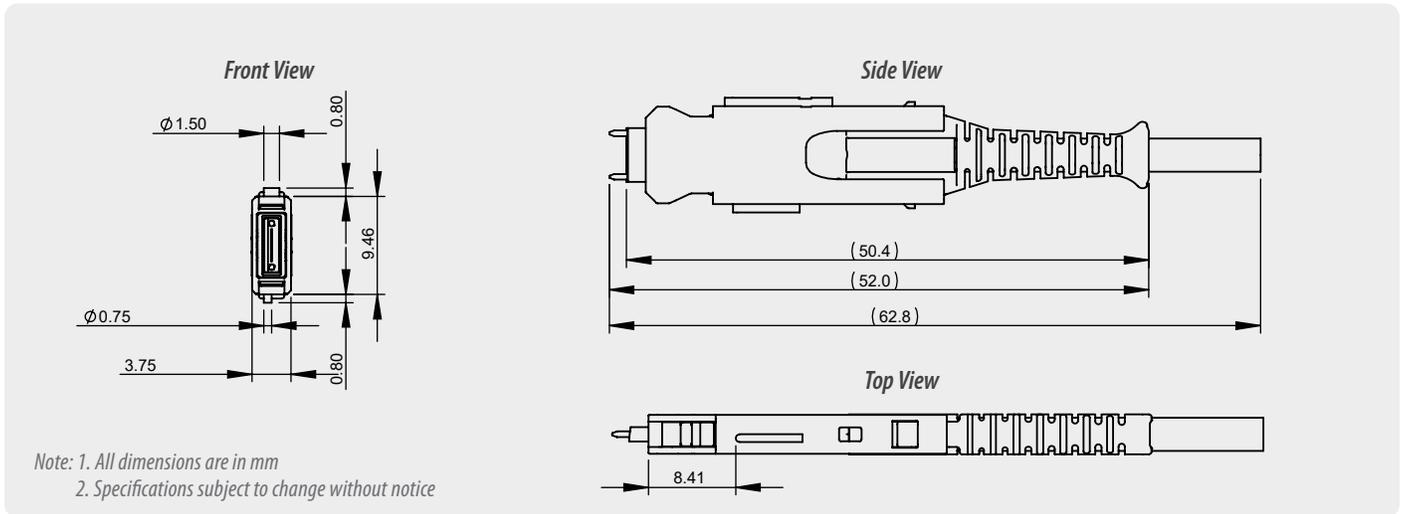
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

SN^o-MT CONNECTOR

16-fiber single row, 32-fiber dual row, 200um

SN^o-MT CONNECTOR DATA SHEET

SN^o-MT 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 (200 μ m)	G SM Green	1 Bare Ribbon Fiber Boot	3 Black
	M Male (With Pin)				4 50mm Boot (50T), 2 mm	



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 (200 μ m)	G SM Green	2 44mm Boot (44T), 2.6 mm	3 Black
	M Male (With Pin)		32 32 Fiber (200 μ m)		3 44mm Boot (44T), 3.0 mm	

Note: Connector supplied with protective dust-cap



Contact sales@senko.com for availability and to learn more



SENKO[®]

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