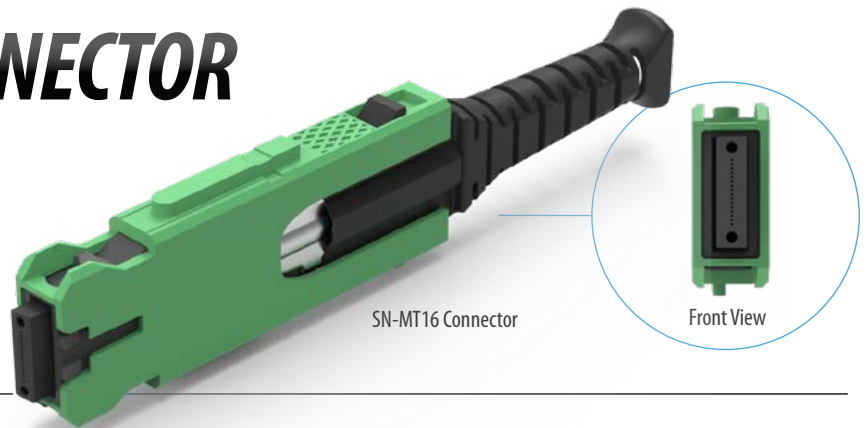


SN[®]-MT16 CONNECTOR

16-Fiber, 200 μ 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 μ 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 μ 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 μ 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

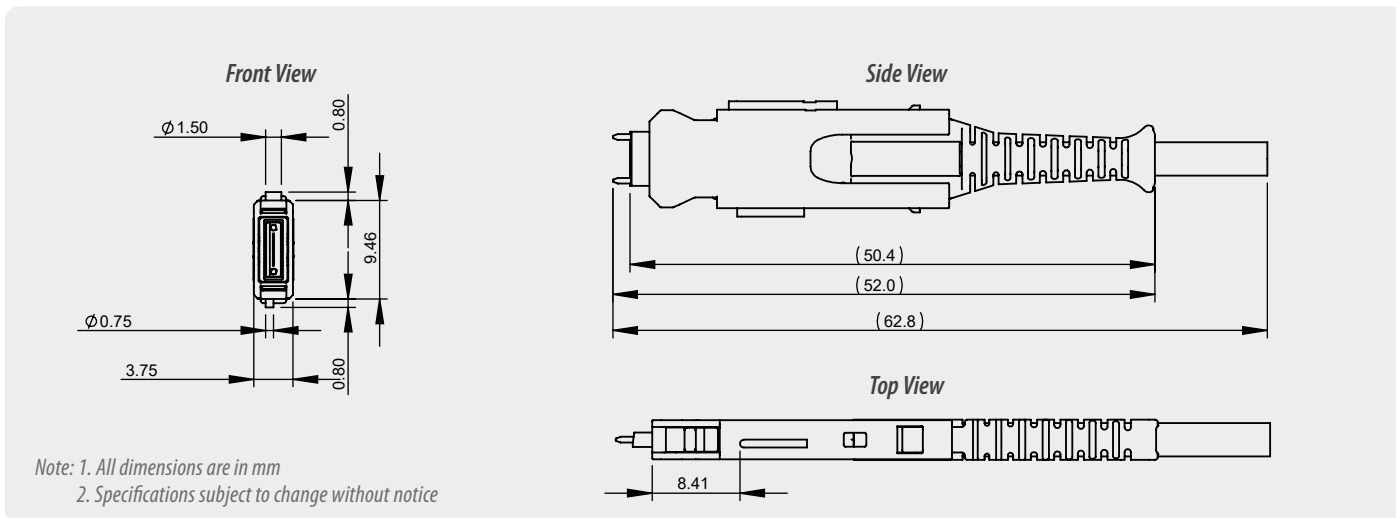
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

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 sales@senko.com
for availability and to learn more

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