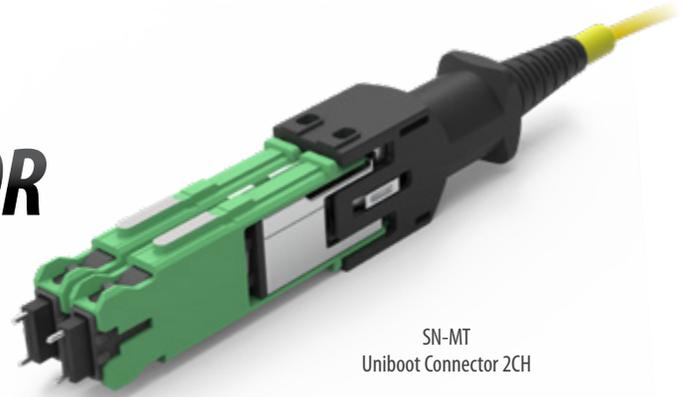


SN[®]-MT **2CH UNIBOOT CONNECTOR**

16 and 32-Fiber, 200 μm
12 and 24-Fiber, 250 μm



SN-MT
Uniboot Connector 2CH

The SN[®]-MT16 2CH Uniboot is a pioneering connector that combines two individual SN[®]-MT connectors into one single housing and boot so that all connectors can be plugged into high-density patch panels or transceivers simultaneously. This approach of 'ganging' multiple connectors together reduces the installation time and associated cable clutter that accumulates at the rear of high-density patch panels. A standard 1RU patch panel with a recommended maximum density of 216 SN[®]-MT ports per 1RU can be reduced to 108 connectors and cables with the SN[®]-MT Uniboot connector.

In terms of panel density, the SN-MT 2CH Uniboot is an essential component in achieving hyperscale density without compromising practicality and user-friendliness. The SN[®]-MT16 2CH Uniboot offers an unparalleled density 3,456 fibers per 1RU which is significantly higher than that achievable with the MPO connector

The SN[®]-MT16 Connector offers an ultra-low insertion loss of less than 0.35 dB per mated connector pair, guaranteeing repeatable and reliable links. Its high-performance MT ferrules and alignment pins further improve reliability, ensuring stable connections and optimal network performance.

FEATURES

- Patch 32 fibers simultaneously
- Low insertion loss at 0.35dB per connector
- 200-micron fiber pitch (SN-MT16)
- Compatible with 200-micron rollable ribbon
- Push-pull Uniboot for fastest deployment
- Allows up to 3,456 fibers per 1RU (Rack Unit)
- Significantly lower total cost of ownership
- Simplified cable management and reduced cable clutter

APPLICATIONS

- High-density backbone cabling
- Spine/leaf and super-spine patching
- Dual 800G backbone cabling
- High-density intra-DC trunk cables
- Pre-connectorized trunk cables
- High density patch panels (rear-side)
- Hyperscale data centers

KEY BENEFITS

- ✓ **High density connector 32F (2 x 16F)**
- ✓ **Trunk cable systems**

Mechanical Data

	Value
Durability	50 Matings per GR-1435-Core
Fiber Count	Base-16 (32 fibers)
Cable Suitability	32-fiber micro cable
Ferrule Material	PPS
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

Optical Data

	Singlemode
	APC
	SM Premium 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

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

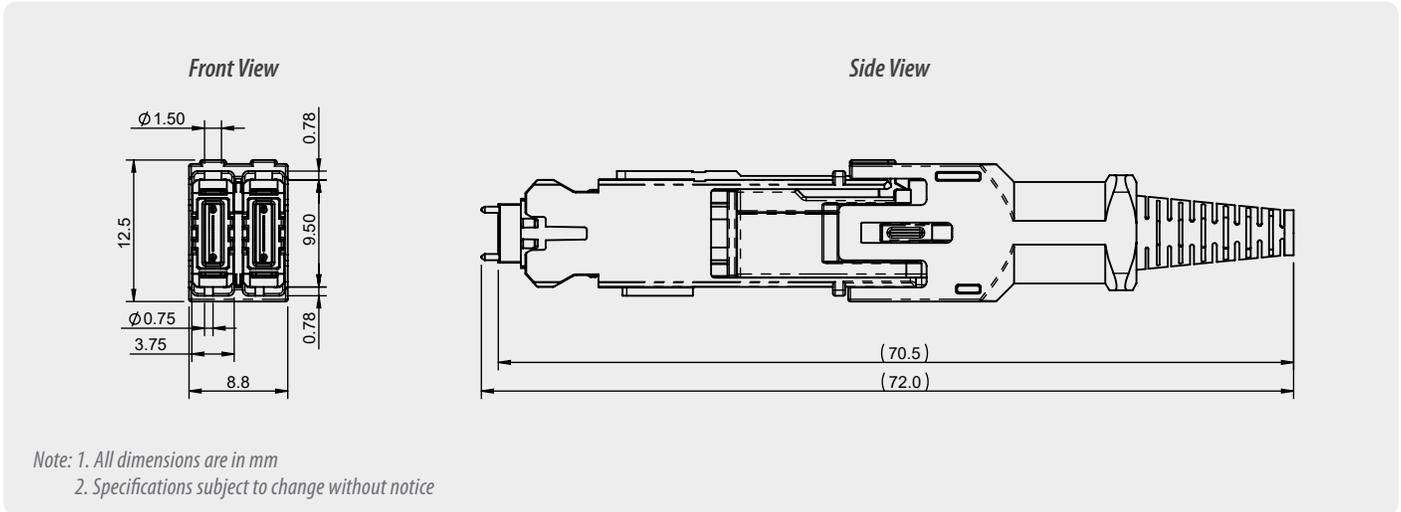
Environmental Data

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

SN-MT 2CH UNIBOOT CONNECTOR

16 and 32-fiber with 200 μm, 12 and 24-fiber with 250 μm

SN-MT16 2CH Uniboot Drawing



ORDERING

CONNECTOR TYPE	GUIDE PIN GENDER	PERFORMANCE	FIBER COUNT	HOUSING COLOR	BOOT COLOR	BOOT TYPE	SPACER
64C SN-MT Uniboot Connector with Ferrule 2CH	F Female (Without Pin)	SL SM Super Low Loss	12 12 Fiber (250 μm)	G SM Green	3 Black	31 3.0mm Boot	W White
	M Male (With Pin)		16 16 Fiber (200 μm)			33 3.0mm Short Boot	
		ML MM Super Low Loss	24 24 Fiber (250 μm)			41 3.6mm Boot	
			32 32 Fiber (200 μm)			46 3.6mm Short Boot	

CONNECTOR TYPE	GUIDE PIN GENDER	PERFORMANCE	FIBER COUNT	HOUSING COLOR	BOOT COLOR	BOOT TYPE	SPACER
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	M Male (With Pin)					33 3.0mm Short Boot	
		ML MM Super Low Loss				41 3.6mm Boot	
						46 3.6mm Short Boot	
						33 3.0mm Short Boot	
						52 5.0 mm	
					53 5.5 mm		

*Note: 1. Connector supplied with protective dust cap
2. 24 Fiber version in development*

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



SENKO[®]

Advanced Components

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