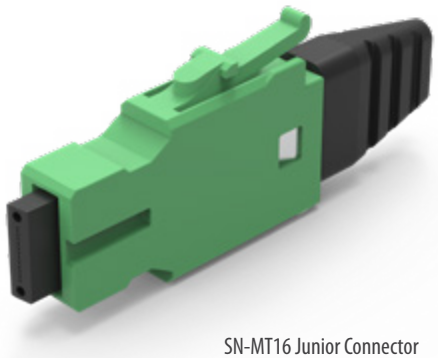
DATA SHEET

SENKO®
Advanced Components

SN®-MT JUNIOR CONNECTOR

16 and 32-Fiber, 200 µm
12 and 24-Fiber, 250 µm
BTW (Behind The Wall)



SN-MT16 Junior Connector

The SN®-MT Junior connector is designed for applications that require less space consumption BTW (Behind The Wall) than conventional cable-based connectors. With a much shorter body length and boot length than conventional connectors, the SN®-MT Junior offers users the chance to reduce the depth of cassettes and modules as well as free up valuable space within fiber management panels for additional hardware such as coherent devices or electronic equipment.

The SN®-MT Junior connector has a latch on the upper side of the connector that provides an audible click when it is plugged into an adapter. At the rear of the connector is a boot that will accept 16-fiber ribbon with a 200 µm construction. Junior connectors are most commonly used for applications such as high fiber-count ribbon splicing or optoelectronic applications where additional space is required BTW.

The SN®-MT Junior connector is compatible with standard SN®-MT adapters.

FEATURES

- Compatible with 200 µm/ 250 µm rollable ribbon cables
- Upper latch mechanism with an audible click
- Reduced connector/boot length
- 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
- No special adapter required

APPLICATIONS

- High-density ribbon splicing
- Pre-terminated fiber-management
- Co-packaged optics
- Coherent optics
- Optoelectronic equipment panels

KEY BENEFITS

✔ **2.7 x denser than MPO**
✔ **High fiber-count ribbon splicing**

Mechanical Data

	Value
Durability	50 matings per GR-1435-Core
Fiber Count	Multi-fiber *(12, 16, 24 or 32 Fibers)*
Cable Suitablity	16/32-fiber, 200 µm 12/24-fiber, 250 µm ribbon
Ferrule Material	Polymer
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

Optical Data

	Singlemode	Multimode
	APC	MM (APC)
	SM Super Low Loss	MM Super Low Loss
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 SN-MT ferrule 32-fiber, 200 µm in dual rows SN-MT ferrule 12-fiber, 250 µm in a single row SN-MT ferrule 24-fiber, 250 µm in dual rows	

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

Environmental Data

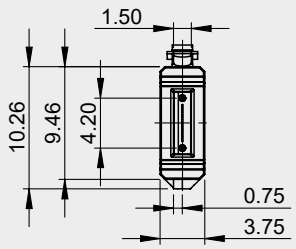
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

SN®-MT JUNIOR CONNECTOR

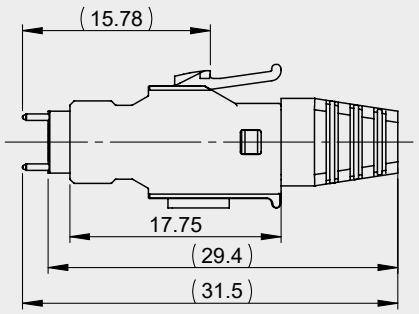
16 and 32-Fiber with 200 µm, 12 and 24-Fiber with 250 µm

SN®-MT Junior Standard Drawing

Front View

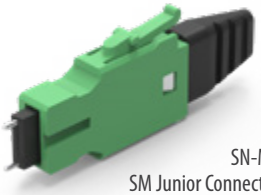


Side View



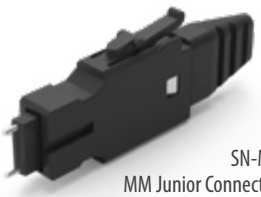
Note: 1. All dimensions are in mm
2. Specifications subject to change without notice

ORDERING



SN-MT
SM Junior Connector
APC for 16-fiber 200 µm ribbon

CONNECTOR TYPE		GUIDE PIN GENDER		PERFORMANCE		FIBER COUNT		HOUSING COLOR		BOOT TYPE		BOOT COLOR	
643	SN-MT Junior Connector with Ferrule	F	Female *(Without Pin)*	SL	SM Super Low Loss	12	12 Fiber (250 µm)	G	SM Green	1	Bare Ribbon Fiber Boot	3	Black
		M	Male *(With Pin)*			16	16 Fiber (200 µm)						
						24	24 Fiber (250 µm)						
						32	32 Fiber (200 µm)						



SN-MT
MM Junior Connector
APC for 16-fiber 200 µm ribbon

CONNECTOR TYPE		GUIDE PIN GENDER		PERFORMANCE		FIBER COUNT		HOUSING COLOR		BOOT TYPE		BOOT COLOR	
643	SN-MT Junior Connector with Ferrule	F	Female *(Without Pin)*	ML	MM Low Loss	12	12 Fiber (250 µm)	B	MM Black	1	Bare Ribbon Fiber Boot	3	Black
		M	Male *(With Pin)*										

Note: Connector supplied with protective dust-cap

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

Contact SENKO

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