

SN-MT Patchcord

Description:

The **SN[®]-MT** patchcord provides quick connection specifically for multifiber cable, up to 16 fibers. The **SN[®]-MT** is a next generation multifiber connector available in 12 and 16 fibers in one row. It allows 2.7x increase density compared to MTP/MPO-16 fibers.

The new multifiber **SN[®]-MT** connector is the same footprint as duplex SN connector.

Available SN-MT trunk cables or fan-out from **SN[®]-MT** to single fibers connectors: FC, LC, SC, etc.



Features:

- Carries a maximum of 16-fiber in a row
- Same connector footprint as SN duplex
- Carries many features from the SN Duplex
- The industry's highest density connector
- Fiber density per 1RU is improved by
 - 2.7x over MPO-16F
 - 1.3x over MPO-32F
- Insertion loss targeted 0.35 dB max for SM

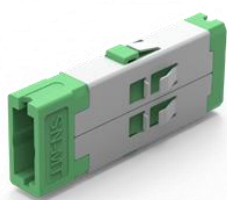
Specifications of connector ¹ :	Single mode, 12/16 fibers, low loss
Typical Insertion Loss (dB)	0.15
Max Insertion Loss (dB)	0.35
Typical Return Loss (dB)	≥60
Operating Temperature (°C)	– 40 to +75
Durability	SM <0.3 dB typical change, 50 matings

Note: 1) Parameters listed are target specifications.

Application:

- Patchcords - high density up to 16 fibers
- Fan-out cord with single fiber connectors
- Pluggable transceiver interface - 4x SN-MT fit in QSFP footprint
- Direct coupling to emerging 16 fiber parallel optic links (8 Tx / 8 Rx, e.g. 400G QSFP-DD, OSFP)
- Inside box mid-board interconnect

Examples of SN-MT non-shuttered adapter:



SM SN-MT 1ch adapter



SM SN-MT 4ch adapter



MM SN-MT 4ch adapter

Ordering code:

SNMTxxy - XX/(XX¹) (XXX) - XX - (XX)² - (L2)³-L

Connector Type	Connector Description
SNMT	SN-MT
xx – Number of fibers (12,16)	
y – Male (M), Female (F) or both (M/F)	

(XX) – Jacket color; L2, L – Length [m]

XX – Cable connection

JC	Cable crossed
JS	Cable straight
P	Pigtail

Note: 1) Fan-out fiber or cable type
2) Define jacket color, if requested
3) L2 – Fan-out length if defined
4) F.e. type : CT-16-S7A1-LSZH-YE
5) X – according fiber subtypes (e.g. G.657A1)

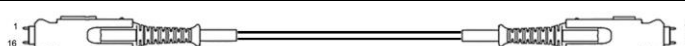
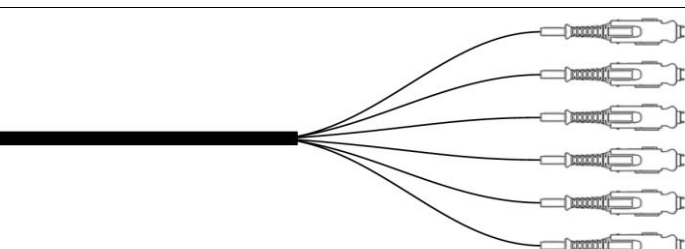
XX - Type of fiber, cable

CT	Central tube cable ⁴
DOS96	96F Data center cable
(XX) Fan-out type	
09	Fiber 0.9 mm
20	Cable 2.0 mm

XXX - Type of fiber

OM1	MM 62.5/125 μm
OM2-OM4	MM 50/125 μm
S7X⁵	SM 9/125 μm (G.657X)

Cable connection:

	A connector	B connector
Cross cable Key up to key up		
Straight cable Key up to key down		
Fan-out cord		

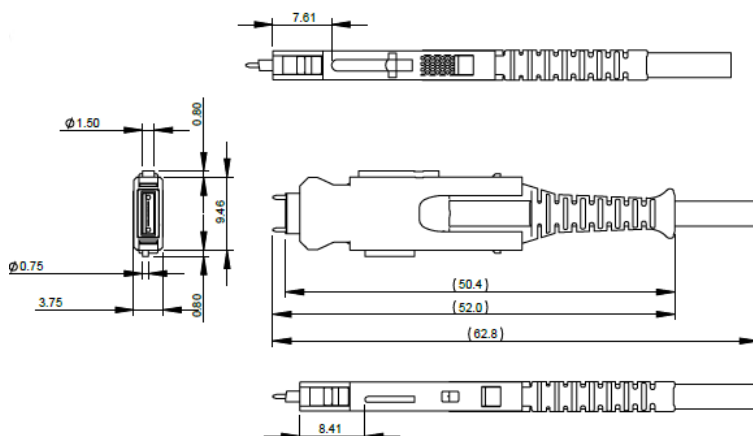
A	B	B
	JC-cross	JS-straight
1	16	1
2	15	2
3	14	3
4	13	4
5	12	5
6	11	6
7	10	7
8	9	8
9	8	9
10	7	10
11	6	11
12	5	12
13	4	13
14	3	14
15	2	15
16	1	16

Examples of ordering code:

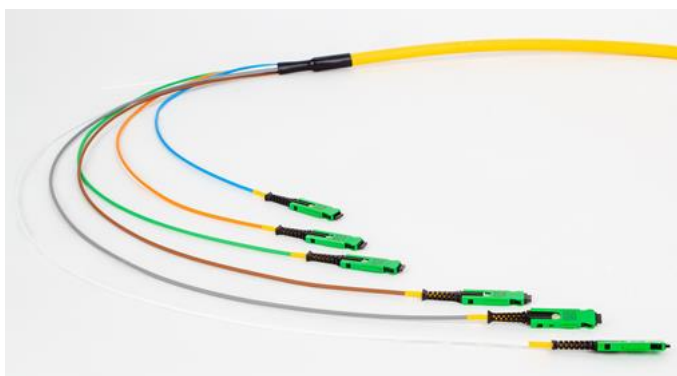
6xSNMT16M-DOS96-P-1-29
SNMT16M/F-CT-JC-30

Fan-out (1m) with SN-MT16 Male connector, length 29 m
SN-MT16 patchcord, Cross connection , Male and Female connector, length 30 m

Dimensions of SN®-MT connector:



SN-MT Fan-out cord 96 fibers (6 x 16F)



Data Center Cable 96F (6 x 16F)

