

# MMC multifiber Connector – Patchcord

## Description:

The MMC connector is a Very Small Form Factor (VSFF) multi-fiber optical interface designed for the termination of single-mode and multimode fiber cables with outer diameters up to 2.5 mm. It includes TMT ferrule technology compatible with MT and MT-16 alignment functionality to ensure precise fiber positioning and stable optical performance. In high-density connectivity environments, individual connector access is enabled by the DirectConec™ push-pull boot mechanism, supporting efficient handling, installation, and maintenance.



## Features:

- 3x cabling port density over the MPO format
- DirectConec™ push-pull boot for in ODFs connection
- Proven MT and MT-16 mechanical and fiber alignment functionality
- Compatible with standard 250 micron OD and pitch optical fibers
- Low Insertion Loss,
- APC for both SM and MM applications
- Tested to Telcordia GR-1435
- Cables up to 2.5 mm OD

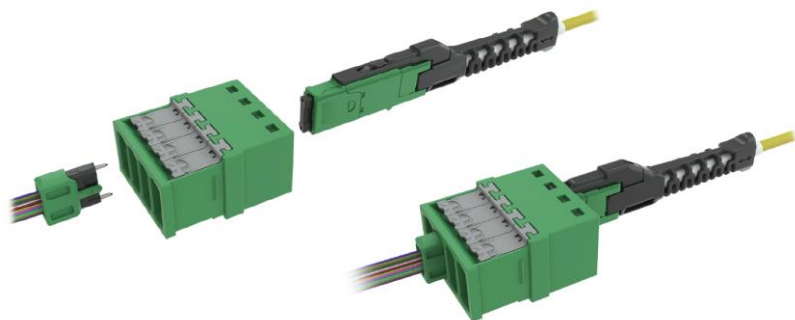
Specifications:	Single mode, 8/16 fibers, low loss
Typical Insertion Loss (dB)	0.25 dB (97%)
Typical Return Loss (dB)	≥60
Operating Temperature (°C)	– 40 to +75
Durability	SM <0.3 dB typical change, 50 matings

## MMC Jr. and Adapter/Receptacle

The smaller footprint of the MMC Jr. connector maintains a robust connection while minimizing valuable space consumption on the boards or behind module/panel walls.

Optimized for:

- Transceivers
- On-board Optics
- Module Applications



## MMC adapters



MMC 1-Port  
MMC/MMC



MMC 2-Port  
MMC/MMC



MMC 4-Port  
MMC/MMC



MMC 4-Port  
MMC/MMC Jr.

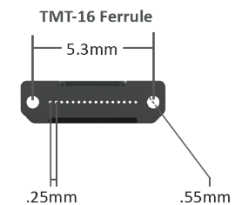


MMC 6-Port  
MMC/MMC Jr.

## TMT-16 Ferrule Technology

The TMT ferrule format is based on the proven alignment structure of MT-16 ferrules used in MTP®-16 applications. TMT ferrules are ideal for on-board fiber management, as well as incorporation into transceivers and hardened connector embodiments.

- 16 fibers at 250 micron pitch
- Compatible with 250, 200, and 165 micron fibers
- Interchangeable with MT-16 technology at less than 25% of the size
- Low insertion loss for SM APC and MM APC applications



## Ordering code

**MMC16X - XX/(XX<sup>1</sup>) XXX - XX - (XX)<sup>2</sup> - (L2)<sup>3</sup>-L**

**Connector type MMC**  
**X** – 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)

<b>XX - Type of fiber, cable</b>	<b>XXX - Type of fiber</b>
<b>CT</b> Central tube cable <sup>4</sup>	<b>OM1</b> MM 62.5/125 μm
<b>DOS96</b> 96F Data center cable	<b>OM2-OM4</b> MM 50/125 μm
<b>(XX)</b> <b>Fan-out type</b>	<b>S7X<sup>5</sup></b> SM 9/125 μm (G.657X)
<b>09</b> Fiber 0.9 mm	
<b>20</b> Cable 2.0 mm	

	A connector	B connector	A	B	B
			JC-cross	JS-straight	
<b>Cross cable</b> Key up to key up			1	16	1
<b>Straight cable</b> Key up to key down			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
<b>Fan-out cord</b>					