

MT-RJ Patchcord

Description:

The MT-RJ connectors are designed to bring together the latest advances in precision molding and multi-fiber ferrule technology, providing the end user with an optical interface that is easier and more cost effective to install. At half the size of comparable duplex SC connectors, yet using the same space in patch panels and networking equipment as RJ-45 copper connectors, the MT-RJ connector doubles the capacity of existing networking infrastructures.



Features:

- MT-RJ connector is half the size of duplex SC and ST-Style connectors
- Installable in conventional RJ-45 faceplates
- Multimode and single mode versions for existing and future network applications
- Easy termination - no epoxy or polishing
- Jack can be reterminated
- Intuitive RJ-45 type latching mechanism
- Plug and Jack design
- Developed by a consortium of leading electronics and connector companies, including Hewlett Packard, AMP, Siecor, Fujikura and US Conec

Specifications:

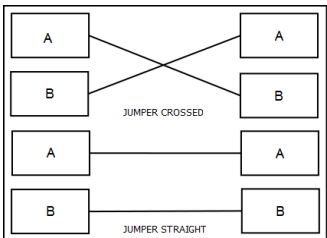
Insertion loss (IL)	Single mode: typ. 0.20 dB, max. 0.5 dB Multimode: typ. 0.40 dB, max. 0.75 dB
Return loss (RL)	Single mode: ≥ 35 dB for jumpers up to 3 m Multimode: ≥ 26 dB for jumpers up to 3 m
Strain relief	66 N
Operating temperature	-25 °C to +70 °C
Durability	min 500 cycles
Assembly procedure	glue and polish
Connection	physical contact
Lock mechanism	snap-on
Standards	ANSI/TIA/EIA-568-B, ISO/IEC 11801 and EN 50173
Ferrule material	Thermo polymer
Connector material	thermoplastic (reinforced, flame retardant)
Adapter material	polymer composite

Application:

- LAN, WAN
- "Fiber to the desk"

Ordering code:

AAA (D) - XX XXX - XX - (XX)¹ - XXX

AAA <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Connector Type</th> <th style="text-align: left;">Connector Description</th> </tr> </thead> <tbody> <tr> <td>MJF</td> <td>MT/RJ without pins</td> </tr> <tr> <td>MJM</td> <td>MT/RJ with guide pins</td> </tr> </tbody> </table> 	Connector Type	Connector Description	MJF	MT/RJ without pins	MJM	MT/RJ with guide pins	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> XX-color </td> <td style="width: 50%; vertical-align: top;"> XXX - length [m] </td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">X - type (pigtail or jumper)</th> </tr> <tr> <td>JC</td> <td>jumper crossed</td> </tr> <tr> <td>J</td> <td>jumper straight</td> </tr> <tr> <td>PT</td> <td>pigtail tight buffered, strip in one shot 0.5 – 2 cm</td> </tr> <tr> <td>PS</td> <td>pigtail semitight, strip in one shot 5 – 10 cm</td> </tr> <tr> <td>PJ</td> <td>pigtail loose tube - jelly filled</td> </tr> <tr> <td>PD</td> <td>pigtail loose tube - dry</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">XX - diameter of fiber, cable</th> <th style="text-align: left;">XXX - type of fiber</th> </tr> <tr> <td>D1 duplex minizip 1.8 x 3.5 mm</td> <td>OM1 MM 62.5/125 µm</td> </tr> <tr> <td>D2 dualan cable Ø 2.9 mm</td> <td>OM2 MM 50/125 µm</td> </tr> <tr> <td></td> <td>OM3 MM 50/125 µm</td> </tr> <tr> <td></td> <td>S2D SM 9/125 µm (G.652D)</td> </tr> <tr> <td></td> <td>S7X² SM 9/125 µm (G.657X)</td> </tr> </table>	XX-color	XXX - length [m]	X - type (pigtail or jumper)		JC	jumper crossed	J	jumper straight	PT	pigtail tight buffered, strip in one shot 0.5 – 2 cm	PS	pigtail semitight, strip in one shot 5 – 10 cm	PJ	pigtail loose tube - jelly filled	PD	pigtail loose tube - dry	XX - diameter of fiber, cable	XXX - type of fiber	D1 duplex minizip 1.8 x 3.5 mm	OM1 MM 62.5/125 µm	D2 dualan cable Ø 2.9 mm	OM2 MM 50/125 µm		OM3 MM 50/125 µm		S2D SM 9/125 µm (G.652D)		S7X² SM 9/125 µm (G.657X)
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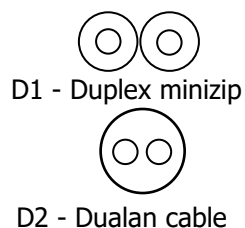
Note:

- 1) not filled when color is not defined
- 2) X – according fiber subtypes (e.g. G.655C)

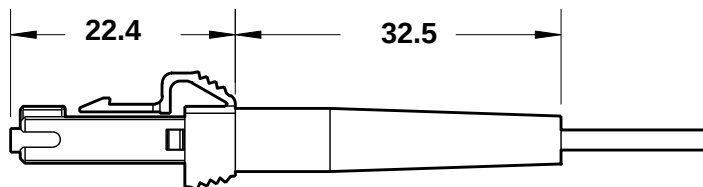
Color code:

BK	BN	RD	OG	YE	GN	BU	VT	GY	WH	PK	TQ
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Turquoise

Cable types:



Dimensions:



Sample:

MJF-D2 OM1-J-005

