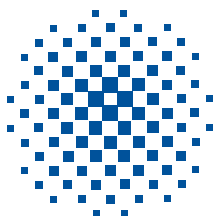


# MT-RJ Portfolio

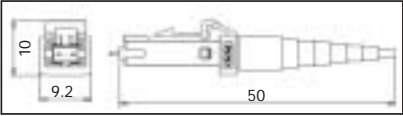
MT-RJ multimode connector family



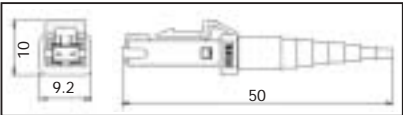
**KRONE**®

# MT-RJ multimode connector family

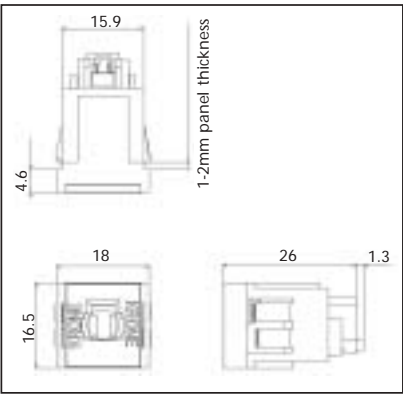
KRONE's small form factor solution for high density fibre backbones and fibre-to-the-desk applications. The connectors are tested and manufactured to the highest specifications.



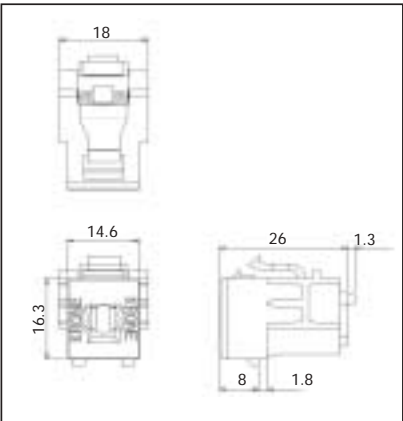
MT-RJ Connector male



MT-RJ Connector female



MT-RJ Panel adaptor



MT-RJ Keystone adaptor

## Features and Benefits

- High density
- Variety of configurations
- Compatible with industry standard products
- High performance
- Full portfolio – patch panels, outlets
- Conforms AS/NZ 3080 to TIA/EIA 568-A and 568-B.3, EN 50173, ISO/IEC 11801, IEEE 802.5 and PrEN 186530.

## Materials

Plug	Body Mouldings	Polycarbonate; dark grey RAL 7031
	Ferrule Guide Pins Spring Crimp Boot	Silica filled polymer Stainless Steel Stainless Steel Copper; bright tin plated. Thermoplastic elastomer; black
Socket	Outer Body Mouldings	Polycarbonate; light grey RAL 7035
	Inner Body Moulding  Spring Shutter	Polycarbonate (glass filled); light grey RAL 7035 Stainless Steel Polycarbonate; dark grey RAL 7031
Cable	MiniZip	62.5/125µm or 50/125µm, Tight 600µm buffered 1.8mm - Mini Zip, low smoke outer sheath. Aramid yarn non-metallic strength members.

**Safety:** Socket fitted with automatic dust / laser protection shutter. The MTRJ Connector when used correctly conforms to EN 6-825-2 Class 3b safety requirements.

## Technical Specification

Optical performance (at 850nm)

Parameter	Typical	Max.
Insertion loss (Random Mate)	0.13dB	0.4dB
Return Loss (Random Mate)	-34dB	-23dB

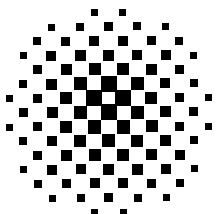
## Environmental performance

		Change in Insertion loss performance	
Parameter		Typical	Max.
Storage Temperature	-40°C to +80°C	n/a	n/a
Storage Humidity	0 to 95%	n/a	n/a
Operating Temperature	-20°C to +70°C (cable dependant)	0.04dB	0.19dB
Operating Humidity	0 to 95%	0.05dB	0.11dB

## Mechanical performance

		Change in Insertion loss performance	
Parameter		Typical	Max.
Mating Durability	500 cycles	0.06dB	0.12dB
Coupling Strength	40N	0.07dB	0.13dB
Cable Retention	50N	0.1dB	0.29dB
Cable Torsion	15N ±180°	0.01dB	0.03dB
Cable Side Load	1N	0.01dB	0.03dB
Impact	5 x drop @ 1.5m	0.13dB	0.34dB
Bump	4000 @ 40g	0.01dB	0.01dB
Vibration	10-55Hz 0.75mm	0.02dB	0.03dB
Crush	500N	0.13dB	0.37dB

ORDERING INFORMATION		
Connectors	Pack QTY	Part No
MTRJ Connector m/m female	each	7023 1 019-00
MTRJ Connector m/m male	each	7023 1 019-01
MTRJ Shuttered Socket	each	7023 1 041-00
MTRJ Shuttered Socket with Keystone Adaptor	each	7023 1 030-00
Patch Cords	Pack QTY	Part No
MTRJ-MTRJ Duplex Patch Cord 62.5µm 1m	each	7023 1 023-01
MTRJ-MTRJ Duplex Patch Cord 62.5µm 2m	each	7023 1 023-02
MTRJ-MTRJ Duplex Patch Cord 62.5µm 3m	each	7023 1 023-03
MTRJ-MTRJ Duplex Patch Cord 62.5µm 5m	each	7023 1 023-05
MTRJ-MTRJ Duplex Patch Cord 62.5µm 10m	each	7023 1 023-10
MTRJ-SC Duplex Patch Cord 62.5µm 1m	each	7023 1 024-01
MTRJ-SC Duplex Patch Cord 62.5µm 2m	each	7023 1 024-02
MTRJ-SC Duplex Patch Cord 62.5µm 3m	each	7023 1 024-03
MTRJ-SC Duplex Patch Cord 62.5µm 5m	each	7023 1 024-05
MTRJ-SC Duplex Patch Cord 62.5µm 10m	each	7023 1 024-10



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