MTRJ Optical Fibre Connector

Description

The MTRJ connector is a development of the now legendary MT ferrule. This amazing technology is at the heart of many state-of-the-art connectors. The MT ferrule in its various designs, has the ability to connect anything from 2 fibres in the MTRJ connector, to 12 fibres in the latest versions of the MPO connector.
Gem Cable's version of the MTRJ, is capable of terminating any 125µm fibre. The flexibility of the connector allows it to be used in short run local area networks in addition to longer haul cabling using singlemode fibre.

It is designed to terminate two fibres within a single connector, reducing the risk of operator error when inter-connecting equipment and distribution panels. The MTRJ has been deliberately designed to look and feel like the industry standard copper connector.
The high-density MTRJ connector allows the termination of high fibre count backbone cables into smaller distribution panels.

The MTRJ connector is a high-density small form factor (SFF) connector, designed to reduce the space required in the distribution cabinet. Gem Cable has a full range of tools and products to assist you with the termination of the MTRJ connector. For those who prefer to purchase pre-terminated pigtails, Gem Cable can supply all your needs. For information on the full range of MTRJ products and tooling please contact us for a data sheet.

Technical Specifications

DESCRIPTION	SPECIFICATIONS			
Fibre type	9/125 µm singlemode	50/125 µm multimode	62.5/125 µm multimode	
Fibre count available	2			
Insertion loss (with master plug)	Standard loss: < 0.5 dB		Low loss: < 0.35 dB	
Return loss	=45dB (SM only)			
Cable type	Mini zip			
Adaptor bulkhead	Single connector / Duplex			
Intermateability	Optically and mechanically compatible with all equivalent connectors. Compliant with IEC 61754-18			
Product packaging	Connector in kit form, packaged in 100pcs			
Temperature cycle	(61300-2-18)		-40 to +75°C, 40 cycles	< 0.2dB change
High temperature	(61300-2-18)		70°C for 96 hours	< 0.2dB change
Operating temperature	-40°C to +85°C			
Vibration (mated pair)	(61300-2-1)		10-55 Hz, 1.5mm P to P	< 0.2dB change
Mating durability	(61300-2-2)		500 mating cycles Clean every 25	< 0.2 dB change
Damp heat	(61300-2-19)		40°C at 93% RH, 96 hours	< 0.2dB change

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