

### MTP®/MPO Optical Fibre Connector

The Optronics MTP® cabling solution utilises MTP® branded MPO connectors manufactured by US Conec Ltd. The MTP® connector provides rapid connection of 12 fibres.

US Conec MTP® connector introduces many features which give technical superiority over the standard MPO design providing excellent physical and optical properties. The integrity of the connection is provided by latches within the adaptor which are secured into place on the connector with a spring loaded mechanism. Precision alignment is achieved with specially designed guide pins. MTP® connectors have a unique removable housing which allows for a quick change of gender, ferrule cleaning, interferometric inspection or connector re-work.

#### Features

- > Patented floating ferrule design ensures fibre contact integrity
- > Terminate ribbon fibre or loose individual fibres
- > Low loss and standard loss SM and MM versions
- > Patented elliptical guide pin tip to Minimise ferrule debris
- > Ruggedised round cable, oval cable and bare ribbon options available
- > Housing is removable for quick change of pin clamps and easy ferrule cleaning / re-polishing
- > Alignment achieved with high precision guide pins
- > Family of bulkhead adaptors available



#### Connector Performance Specifications



	MTP ELITE® SINGLEMODE MT FERRULE	STANDARD SINGLEMODE MT FERRULE	MTP ELITE® MULTIMODE MT FERRULE	STANDARD MULTIMODE MT FERRULE
<b>INSERTION LOSS</b>	0.10dB Typical 0.35dB Max	0.25dB Typical 0.75dB Max	0.10dB Typical 0.35dB Max	0.20dB Typical 0.6dB Max
<b>RETURN LOSS</b>	>55dB (Angle Polish)	>55dB (Angle Polish)	>20dB	>20dB
<b>OPERATIONAL TEMP</b>	- 40°C to + 70°C	- 40°C to + 70°C	- 40°C to + 70°C	- 40°C to + 70°C