

MT-RJ series

Optical Patchcord Specifications – MT-RJ Patchcord



Description

Topscom MT-RJ fiber optic patchcords have been designed to maintain fiber optic cabling polarity in telecommunication and data-communication networks. The MT connection system is the next generation of duplex fiber interconnections for applications like FDDI, ATM, Gigabit Ethernet and premises cabling. The duplex housing for MTRJ connectors maintains polarity of the cable and also provides smooth insertion and removal of the connector.

Features

- ❖ MT style ferrule with RJ-45 style housing with push-pull coupling mechanism which allows easy disengagement in dense spaces
- ❖ Small Form Factor - Half the size of duplex SC and ST connectors
- ❖ Duplex assemblies available in standard and custom configurations
- ❖ Singlemode and Multimode
- ❖ One ferrule accommodates two fibers

Application

- ❖ CATV
- ❖ Active device termination
- ❖ Telecommunication networks
- ❖ Local area networks
- ❖ Data processing networks
- ❖ Premise installations
- ❖ Industrial
- ❖ Medical
- ❖ Test equipment
- ❖ Multimedia

Optical Performance

| Type | Singlemode (Typical) | Singlemode (Maximum) | Multimode (Maximum) |
|-----------------------|-------------------------|-------------------------|------------------------|
| Insertion loss | $\leq 0.2\text{dB}$ | $\leq 0.7\text{dB}$ | $\leq 0.7\text{dB}$ |
| Return loss | $\geq 45\text{dB}$ | $\geq 35\text{dB}$ | $\geq 25\text{dB}$ |
| Operating temperature | -40°C to +80°C | | |