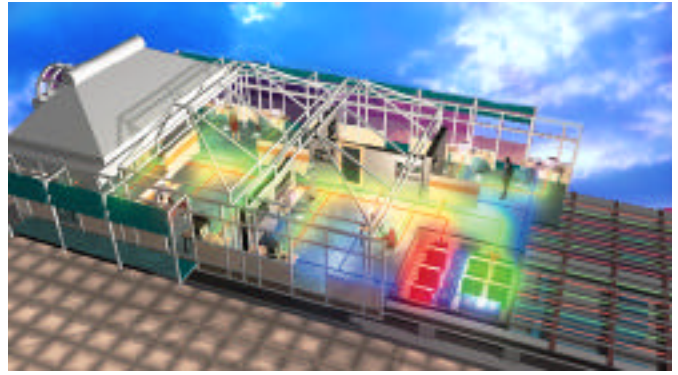


AMP**hp HEWLETT
PACKARD****NTT****US CONEC****SIECOR****Fujikura Ltd.**

November 1997

THE WINNING TEAM WITH THE WINNING TECHNOLOGY

Mini MT Cabling System

Proven multi-fiber technology from the global leaders in optical fiber technology.

Through true System-based Multi-sourcing, AMP, Siecor, Hewlett Packard, USConec, and Fujikura offer End-to-End Connectivity from the transceiver at the PC, to the transceiver on the network hub and all of the cabling and connectivity in-between.

PROVEN TECHNOLOGY

Mini-MT is based on the time and application-proven technology of its higher-fiber count counterpart, the MT, multi-fiber ferrule developed by NTT Labs. The core technology of the system is the MT array connector, Globally, the design is known by its non-trademark name of MT and MPO as specified in the IEC intermateability standards, IEC-1754-5 and -7.

The MT technology has been field-tested and proven in high bandwidth applications ranging from Data Center connectivity where performance is critical, to Japanese Telecom applications.. Mini-MT takes the 6-pair base down to a single pair for desktop applications and increased port density at the hub.

PROVEN PERFORMANCE SINGLE-MODE & MULTIMODE

Performance was designed-in as part of the primary criteria due to the breadth of applications the connectors were designed to serve.

The ferrule design has been used for even more demanding applications, including 12 fibers in one connector as the cabling platform for data centers. In Japan, where fiber-to-the-home has been a very active program, long haul singlemode performance was required to enable this connector to address the application. *It meets and exceeds the requirement!*



MT-RJ at the patch panel

USER-FRIENDLY!

The Mini-MT system has been modified as a plug/jack interface, MT-RJ. Modeled after the 8-position modular jack and plug, this familiar design can easily be mated and unmated by anyone who's ever connected a telephone. Inherent in this design is a snag-proof capability that reduces the concern over hooking the latch when disconnecting in a dense area (patch panel cabling, for example), making it easier for day to day connectivity.

FIELD TERMINATION - NO POLISH, NO-EPOXY!

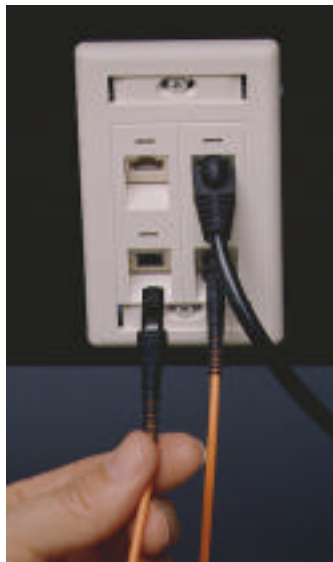
Simplicity was the requirement when we developed the field-termination technique for Mini-MT. In a small package (roughly the size of a 8-position modular jack), the MT-RJ jack is terminated with virtually "poke-home" technology! The pre-polished, pre-stubbed connector takes the guess-work out of installed performance. Simply cleave the fiber, insert one or both strands, actuate....and you are done. That simple!

BACKWARD COMPATIBLE

The MT-RJ uses existing, off-the-shelf fiber optic cable! It does not require any special cable and works well in retrofit applications. Unique to the design of the connector is the capability to easily accommodate ribbon fiber as duplex technology develops.

With the installed base of copper products on the market, from the patch panel in the closet to the faceplate at the workstation outlet, requiring a new fixture would be severely product limiting. The MT-RJ was designed from the outset to "drop-in" to existing copper-based products.

The jack easily snaps into existing 110-style openings in faceplates as well as patch panel knock-outs.



MT-RJ at the workstation

The world does not have to be re-tooled to accommodate this new connector. The change to fiber is painless - simply a media choice rather than a new separate structure.

EQUIPMENT CAPABLE?

You bet! As part of the team developing the technology, both Hewlett Packard and AMP have developed transceivers with the MT-RJ interface. This capability takes the density of traditional 568SC interfaces down to the size of the 8-position modular. The optical fiber interface is no longer a limiting factor for the real estate on the printed circuit board. Fiber and copper can be implemented in the same number of hub cards!

LICENSING

In accordance with the ANSI requirements for licensing, the connectors are available for licensing to interested parties.



MT-RJ Transceivers

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ST is a registered trademark of Lucent Technologies, Inc.

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