# Heat-Cure MTP® Connectors
## A LANscape® Solutions Product
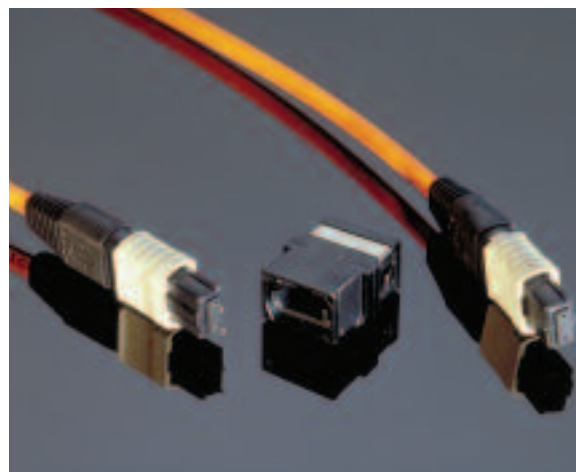
## Applications
• High-fiber-count data centers

• Parallel optical interconnects between servers

## Description
The Heat-Cure MTP® Connector is a 12-fiber connector that is the same size as the well-known SC connector but provides 12 times the density, offering tremendous savings in valuable floor and rack space. Designed for multimode and single-mode performance, the MTP Connector utilizes a push-pull design for easy mating and removal. Manufactured by USConec, the MTP Connector utilizes precision guide pins in the mating of two connectors to achieve alignment.

**Heat-Cure MTP Connectors** | Photo LAN197

## Features / Benefits
• High-density connection replaces 12 single-fiber connections

• Push-pull latch for easy connection

• Terminates 12-fiber ribbons or ribbonized single fibers

• Keyed to ensure proper orientation

• Meets requirements of ANSI HIPPI-6400 and IEC 1754-7 and TIA/EIA-604-5 (FOCIS) documents

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Product Specifications

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## Specifications

| Parameter | Multimode | Single-Mode | Single-Mode MTP® Elite Connector |
|---|---|---|---|
| Insertion Loss | 0.20 dB average | 0.25 dB average | 0.10 dB average |
| Durability | < .2 dB change (per EIA-455-21A) 1000 remates | < .3 dB change (per EIA-455-21A) 500 remates | < .3 dB change (per EIA-455-21A) 500 rematings |
| Reflectance | ≤ -20 dB | ≤ -55 dB (Angled Polish) | ≤ -55 dB (Angled Polish) |
| Operating Temperature | -40°C to +80°C | -40°C to +80°C | -40°C to +80°C |

## Ordering Information

### 1. Order the Ferrule

All ferrules are packaged in quantities of 100

| Part Number | Description |
|---|---|
| 94-112-MM-MTBP | MT 12-Fiber Multimode Ferrule |
| 94-212-SM-MTBP | MT 12-Fiber Single-Mode Ferrule |
| 94-252-SME-MTBP | MT 12-Fiber Single-Mode Elite Ferrule |

### 2. Order the Housing Kit

Includes boot, push spring, spring, pin clamp assembly, housing assembly and dust cap;
all housing kits are packaged in quantities of 50

#### MTP® Connectors for Ribbon Interconnect Cable

| Part Number | Description |
|---|---|
| 94-115-20-BPJB | No Pins, Multimode, MTP Connector, beige kit, jacketed cable boot |
| 94-115-21-BPJB | No Pins, Multimode, MTP Connector, black kit, jacketed cable boot |
| 94-115-28-BPJB | No Pins, Multimode, MTP Connector, aqua kit, jacketed cable boot |
| 94-115-22-BPJB | No Pins, Single-Mode, MTP Connector, green kit, jacketed cable boot |
| 94-115-23-BPJB | No Pins, Single-Mode, MTP Elite Connector, mustard kit, jacketed cable boot |
| 94-115-24-BPJB | Pinned, Multimode, MTP Connector, beige kit, jacketed cable boot |
| 94-115-25-BPJB | Pinned, Multimode, MTP Connector, black kit, jacketed cable boot |
| 94-115-29-BPJB | Pinned, Multimode, MTP Connector, aqua kit, jacketed cable boot |
| 94-115-26-BPJB | Pinned, Single-Mode, MTP Connector, green kit, jacketed cable boot |
| 94-115-27-BPJB | Pinned, Single-Mode, MTP Elite Connector, mustard kit, jacketed cable boot |

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## Ordering Information *(continued)*

| Part Number | Description |
|---|---|
| **MTP® Connectors for Bare Ribbon** | |
| **94-115-30-BPRB** | No Pins, Multimode, MTP Connector, beige kit, bare ribbon boot |
| **94-115-31-BPRB** | No Pins, Multimode, MTP Connector, black kit, bare ribbon boot |
| **94-115-38-BPRB** | No Pins, Multimode, MTP Connector, aqua kit, bare ribbon boot |
| **94-115-32-BPRB** | No Pins, Single-Mode, MTP Connector, green kit, bare ribbon boot |
| **94-115-33-BPRB** | No Pins, Single-Mode, MTP Elite Connector, mustard kit, bare ribbon boot |
| **94-115-34-BPRB** | Pinned, Multimode, MTP Connector, beige kit, bare ribbon boot |
| **94-115-35-BPRB** | Pinned, Multimode, MTP Connector, black kit, bare ribbon boot |
| **94-115-39-BPRB** | Pinned, Multimode, MTP Connector, aqua kit, bare ribbon boot |
| **94-115-36-BPRB** | Pinned, Single-Mode, MTP Connector, green kit, bare ribbon boot |
| **94-115-37-BPRB** | Pinned, Single-Mode, MTP Elite Connector, mustard kit, bare ribbon boot |
| **MTP Connectors for MIC® 250 Cable** | |
| **94-115-40-BPDC** | No Pins, Multimode, MTP Connector, beige kit, MIC 250 Cable boot |
| **94-115-41-BPDC** | No Pins, Multimode, MTP Connector, black kit, MIC 250 Cable boot |
| **94-115-48-BPDC** | No Pins, Multimode, MTP Connector, aqua kit, MIC 250 Cable boot |
| **94-115-42-BPDC** | No Pins, Single-Mode, MTP Connector, green kit, MIC 250 Cable boot |
| **94-115-43-BPDC** | No Pins, Single-Mode, MTP Elite Connector, mustard kit, MIC 250 Cable boot |
| **94-115-44-BPDC** | Pinned, Multimode, MTP Connector, beige kit, MIC 250 Cable boot |
| **94-115-45-BPDC** | Pinned, Multimode, MTP Connector, black kit, MIC 250 Cable boot |
| **94-115-49-BPDC** | Pinned, Multimode, MTP Connector, aqua kit, MIC 250 Cable boot |
| **94-115-46-BPDC** | Pinned, Single-Mode, MTP Connector, green kit, MIC 250 Cable boot |
| **94-115-47-BPDC** | Pinned, Single-Mode, MTP Elite Connector, mustard kit, MIC 250 Cable boot |
| **Accessories** | |
| **3201038-01** | Crimp Tool – jacketed ribbon MTP Connector |
| **3201037-01** | Crimp Tool – MIC 250 Cable MTP Connector |
| **2104455-01** | MTP Connector Housing Removal Tool |
| **FBC-021** | Fiber Cleaver for 12-fiber MTP Connector |
| **2104490-01** | Ribbon Holder for bare ribbon MTP Connector |
| **2104492-01** | Ribbon Holder for jacketed ribbon MTP Connector |
| **2104489-01** | Ribbon Holder for MIC 250 Cable MTP Connector |
| **2104491-01** | Ribbon Jacket Stripper |
| **2104488-01** | Ribbonizer Tool for MTP Connector termination |
| **MASS-STRIPPER** | Thermal Stripper for ribbon stripping |

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