

UniCam® MT-RJ Connectors

A LANscape® Solutions Product

Corning
Cable Systems

Applications

- Main cross-connect, intermediate cross-connect, horizontal cross-connect, direct connect to electronics and workstation
- Ideal for fiber-to-the-workstation applications where installation setup and teardown time is critical
- Small-form-factor field-installable connectors

Description

With proven UniCam® Connector technology, fiber terminations are easy. The Corning Cable Systems patented, high-precision mechanical splice technology enables fiber optic networks to be installed quickly and cost effectively.

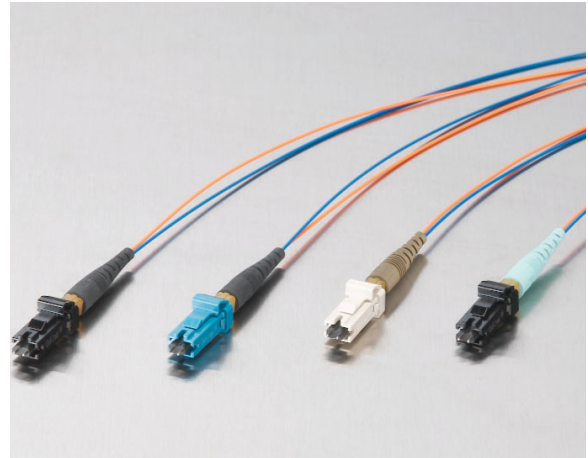
The patented Corning Cable Systems Continuity Test Set (CTS) allows the installer to verify that the installation is performed right, the first time, every time. Insert the fiber, rotate the cam and watch the light change, giving you confidence in every connector installed.

The UniCam MT-RJ Connector uses a RJ-latching mechanism familiar to installers. Also, the MT-RJ is a small-form-factor connector package that doubles the density compared to standard SC connectors.

Installation is as easy as strip, clean, cleave, cam and crimp.

Features / Benefits

- Fast termination, high installation yields and no consumables means lowest installed cost
- Continuity Test Set gives immediate go/no-go feedback of successful termination
- Quick installation: less than three minutes per connector
- No epoxy, no polish
- No need for electrical power for ovens or lights
- Average insertion loss 0.3 dB for MM and 0.4 dB for SM insertion loss



UniCam MT-RJ Connector Family | LAN688



UniCam MT-RJ Multimode 62.5 µm Connector | LAN684



TKT-UNICAM-CTS Tool Kit | LAN695



Product Specifications

Features / Benefits (continued)

- One tool kit for all single-fiber and two-fiber connector types
- Factory-polished end-face for consistent optical performance and factory-built jumper quality
- 100 percent factory tested for insertion loss
- Reliable, proven technology with more than 35 million units sold since 1993

Specifications

Fiber	Pinned/ No Pin	Part Number	Insertion Loss Average (-dB) ¹	Reflectance (dB) ²	Housing Color Code	Boot Color ³
SM	Pinned	92-201-97-P-E	0.4	-40 Typical	Blue	Black
SM	No Pin	92-210-97-NP-E	0.4	-40 Typical	Blue	Black
62.5 MM	Pinned	92-001-97-P-E	0.3	≤ -20	Beige	Beige
62.5 MM	No Pin	92-001-97-NP-E	0.3	≤ -20	Beige	Beige
50 μm LOMMF	Pinned	92-051-97-P-E-X	0.3	≤ -20	Black	Aqua
50 μm LOMMF	No Pin	92-051-97-NP-E-X	0.3	≤ -20	Black	Aqua
50 MM	Pinned	92-051-97-P-E	0.3	≤ -20	Black	Black
50 MM	No Pin	92-051-97-NP-E	0.3	≤ -20	Black	Black

Parameter	Description
Intermateability	Connectors are FOCIS compliant with TIA/EIA 604-12 (MT-RJ)
Qualification	Passed EIA/TIA 568.B.3 for 900 μm applications
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Tensile Strength	0.5lb ≤ 0.2 dB change, FOTP-6
Operating Temp (°C)	0° to 60°C per TIA/EIA 568 B.3
Nominal Fiber OD	125 μm

Ordering Information

Part Number	Description
92-201-97-P-E	UniCam® MT-RJ Connector, pinned, 8.3 µm fiber, single-mode, single pack, blue housing, 900 µm black boot with PC polish
92-001-97-P-E	UniCam MT-RJ Connector, pinned, 62.5 µm fiber, multimode, single pack, beige housing, 900 µm beige boot with PC polish
92-051-97-P-E	UniCam MT-RJ Connector, pinned, standard 50 µm fiber, multimode, single pack, black housing, 900 µm black boot with PC polish
92-051-97-P-E-X	UniCam MT-RJ Connector, pinned, 50 µm laser-optimized fiber, multimode, single pack, black housing, 900 µm aqua boot with PC polish
92-201-97-NP-E	UniCam MT-RJ Connector, no pins, 8.3 µm fiber, single-mode, single pack, blue housing, 900 µm black boot with PC polish
92-001-97-NP-E	UniCam MT-RJ Connector, no pins, 62.5 µm fiber, multimode, single pack, beige housing, 900 µm beige boot with PC polish
92-051-97-NP-E	UniCam MT-RJ Connector, no pins, standard 50 µm fiber, multimode, single pack, black housing, 900 µm black boot with PC polish
92-051-97-NP-E-X	UniCam MT-RJ Connector, no pins, 50 µm laser-optimized fiber, multimode, single pack, black housing, 900 µm aqua boot with PC polish

Tool Kits and Accessories

Part Number	Description
TKT-UNICAM-ELITE	Premium Installation Kit; consists of TKT-UNICAM-CTS with high-performance FBC-012 cleaver; includes single- and two-fiber handlers, VFL and connector cleaning cassette; recommended for single-mode applications; does not include FBC-001 cleaver
TKT-UNICAM-CTS	TKT-UNICAM plus splitter box, tool adapters and patch cords needed to add CTS functionality; VFL is included
TEST-UNICAM-CTS	Continuity Test Set (VFL sold separately) to convert TKT-UNICAM to TKT-UNICAM-CTS
TER-CTS-MTRJ	Continuity Test Set Adapter for MT-RJ connectors
VFL-350	Visual Fault Locator (VFL), 635 nm penlight style
TL-UC01	UniCam Connector Elite Tool Kit Installation Tool
Handler-012-2F	2-Fiber Handler for FBC-012 Elite Tool Kit Cleaver, used with UniCam MT-RJ Connector
TKT-012-2F	UniCam Connector Elite Tool Kit Cleaver, rated at < 0.5 degrees cleave angle; 24,000 cleaves; with one- and two-fiber UniCam fiber Connector handlers
2104359-01	Universal Connector Cleaning Cassette, cleans pinned and pinless ferrules

Notes:

¹ SM Reflectance are typical values at 18° C to 26° C.

² All insertion loss values given are for installation with the UniCam Connector Elite Tool Kit.

³ MT-RJ UniCam Connector packaged with 900µm boots only.

UniCam[®] MT-RJ Connectors

A LANscape[®] Solutions Product

Corning
Cable Systems

**Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA
1-800-743-2675 • FAX: +1-828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>**

Corning Cable Systems reserves the right to improve, enhance, and modify the features and specifications of Corning Cable Systems products without prior notification. LANscape and UniCam are registered trademarks of Corning Cable Systems Brands, Inc. Elite is a trademark of Corning Cable Systems Brands, Inc. Discovering Beyond Imagination is a trademark of Corning Incorporated. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2004, 2005 Corning Cable Systems. All rights reserved. Published in the USA.
LAN-117-EN / November 2005 / 10



CORNING
Discovering Beyond Imagination

LANscape[®]
Fiber Cabling Solutions for Premises Networks