

Optimax[®] System



Recommended Applications

- Field termination of cable
- Storage network connections
- Switch to fiber distribution
- Panel connections

Product Features

- **Pre-Polished Fiber Stub**
Does not require polishing paper; less craft-sensitive
- **Safer, Simpler Installation**
No epoxy, curing equipment or power needed
- **Precision Fiber Contact**
Pre-radiused PC ceramic ferrule assures durable contact and optimum mechanical performance
- **Dramatic Reductions in:**
Installation Time; Cost of Equipment and Materials; Expertise/Training Required

Options

- Field-installable Multimode ST-Type, SC or LC Fiber Optic Connectors

Part Number	Description
A0408835	900 μ m 62.5/125 ST connector
AX101075	900 μ m 50/125 ST connector*
AX101791	900 μ m Single-Mode ST connector
AX101793	Additional parts for jacketed ST
AX100029	900 μ m 62.5/125 SC connector
AX101077	900 μ m 50/125 SC connector*
AX101792	900 μ m Single-Mode SC connector
AX101794	Additional parts for jacketed SC
AX101981	900 μ m 62.5/125 LC connector
AX101982	900 μ m 50/125 LC connector*
AX101983	900 μ m Single-Mode LC connector
AX101984	Additional parts for jacketed LC

*LOMMF - Laser Optimized Multi-Mode Fiber Grades.

The Optimax Connectors are reliable field installable optical fiber connectors that are easy to install. They do not require epoxy, curing or polishing. Their unique design incorporates a factory polished fiber stub in a splice mechanism which provides a fast, secure, and reliable termination on optical fiber cables. All critical steps are performed in the factory, ensuring a superior-quality connection every time. Only simple tools are required for installation, making Optimax a cost effective field termination.

Optimax Connectors are high-quality LC, SC and ST Compatible connectors that use a ceramic ferrule with a physical contact (PC) polish for Multimode and super physical contact (SPC) polish for Single-mode that ensures the best possible mating of optical fibers. Connectors are available for 62.5 or 50/125 μ m Multimode fiber and Single-mode fiber installations.

Specifications

Interconnection Compatibility: All ST-type, SC and LC connectors and compatibles

Field Assembly Time: 1 minute for 900 μ m fiber; 3 minutes for jacketed fiber

Insertion Loss (Attenuation): 0.3 dB (typical)

Durability: <0.2 dB change, 500 cycles multimode; <0.3 dB change, 500 cycles single-mode

Nominal Fiber OD: 125 μ m

Operating Temperature: 0°C to +60°C (+32°F to +140°F)

Storage Temperature: -40°C to +65°C (-40°F to +149°F)

Tensile Strength: 12 lbs (54 N) -Jacketed Fiber

Ferrule: Ceramic

Reflectance: -30 dB (typical) multimode; -40 dB (guaranteed) single-mode

Optimax[®] Enhanced Tool Kit

Everything your field people need and need to know. For expert installations, we have packaged everything in a small convenient carrying case: installation instructions and all the tools required to terminate 900 μ m buffered optical fiber and jacketed fiber.

The kit has been enhanced to include a multi-head universal tool to terminate all three types of connectors. A handy table top that holds the installation tool has replaced the c-clamp allowing for easy installation.

Note: For installers already possessing basic fiber installation tools, dedicated tools can be purchased separately.

Part Number	Description
AX103142	Complete Enhanced Tool Kit
AX103147	Enhanced Tool Kit Upgrade (new universal tool, tool table top, instructions & foam for case)
AX103152	Universal Installation Tool LC/SC/ST (includes insert, tool, tool clamp)
AX103153	Table Top for Installation Tool
A0408829	Fiber Cleaver

