

FiberExpress Connectors

Optimax® Field Installable Connectors and Installation Tool Kits

AX101982 Optimax® LC connector



AX100029 with AX101794 Optimax® SC connector



A0408835 with AX101793 Optimax® ST compatible connector



AX100947 Optimax® tool kit



These products are in the process of being assessed for RoHS compliance. Please check our website for the most current RoHS status.

* For 900 µm buffered fiber only. For Optimax® single-mode termination on jacketed fiber, please use the appropriate Accessory Kit.

Optimax® Field Installable Connector

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 µm multimode fiber and single-mode fiber installations.

Optimax® Installation Tool Kit

The Optimax® installation tool kit is packaged in a small convenient carrying case and includes an Optimax® LC, SC and ST compatible installation and training video, installation instructions and all the tools required to terminate 900 µm buffered optical fiber and jacketed optical fiber.

The Optimax® installation tool kit has all the tools and supplies required to install both the Optimax® LC, SC or ST compatible multimode and single-mode connectors. Certain tool kit items can be purchased separately to accommodate installers already possessing basic optical fiber installation tools.

Description	Belden Part Number
FiberExpress Connectors	
Optimax® Field Installable Connector	
LC 62.5 µm, Multimode*	AX101981
LC 50 µm, Multimode*	AX101982
LC Single-mode*	AX101983
SC 62.5 µm, Multimode*	AX100029
SC 50 µm, Multimode*	AX101077
SC Single-mode*	AX101792
ST Compatible 62.5 µm, Multimode*	A0408835
ST Compatible 50 µm, Multimode*	AX101075
ST Compatible Single-mode*	AX101791
LC Accessory Kit for jacketed fiber (2 mm boot and a crimp sleeve)	AX101984
SC Accessory Kit for jacketed fiber (3 mm boot, crimp sleeves, cord adapter)	AX101794
ST Accessory Kit for jacketed fiber (3 mm boot, crimp sleeves)	AX101793
Optimax® Installation Tool Kit	
LC/SC/ST Compatible (includes installation tools, fiber cleaver, crimping tool, instruction manual, microscope, tweezers, alcohol wipes, marker, scissors, waste bottle, fiber stripper, cable stripper and training video)	AX100947
Basic (excludes fiber stripper & cleaver)	AX100949
Optimax® LC Tool Kit Upgrade (includes LC installation tool, instructions manual, foam for the case)	AX102061
Optimax® Individual Components	
Fiber Cleaver	A0408829
Installation Tool LC (does not include tool-clamp)	AX102062
Installation Tools ST Compatible and SC (includes tool-clamp)	A0403634
Microscope	AX100910
Refurbishing Materials (80 alcohol wipes and a black felt tip marker)	AX100951
Installation Instruction Manual, LC	AX102063
Installation Instruction Manual, SC	PX101318
Installation Instruction Manual, ST Compatible	PX101317
Installation & Training Video, CD (see literature ordering form on the web)	NOT0651
Crimp Tool complete with die	A0403641