

Optimax™ Kit

2003-2004

Field Installable Optical Fiber Connector

Fiber Termination made *fast and easy.*



DESIGNED FOR OPTIMAL PERFORMANCE

- **Faster, easier termination**
- **Available for 62.5 and 50 um Multimode fiber**
- **Available for Singlemode fiber**

WEST PENN WIRE
" EXCEEDING EXPECTATIONS WITH PERFORMANCE "

THE OPTIMAX TOOL KIT

The OPTIMAX installation kit is an inexpensive, self-contained set of tools including all that is needed to successfully terminate jacketed and tight-buffered 900um fiber using OPTIMAX SC and ST compatible connectors. It includes a unique microscope fitted with a handy fiber holder which greatly simplifies fiber cleave inspection. The compact, rugged nylon carrying case also includes complete installation instructions, a training video, and 'quick reference cards' with visual aids.

OPTIMAX FEATURES:

- No epoxy required
- No polishing required
- Pre-radiused PC-polish ferrule
- Critical Steps are performed in the factory
- Floating ferrule (SC) Non-Optical Disconnect
- Unlimited shelf life
- Compact, convenient tool kit
- 62.5 & 50um Multimode and Singlemode
- Training Video

FI-3635 TOOL KIT



THE OPTIMAX CONNECTOR

Delivers high performance optical fiber termination in the field. It provides simple, efficient and fast connectorization, and requires no polishing, heat curing, bonding, or epoxy. Instead, the patented mechanical splice body of OPTIMAX incorporates a factory-mounted fiber stub and a pre-polished ceramic ferrule which consistently provides hassle-free, secure and reliable optical fiber cable termination.

OPTIMAX simplifies the technicians work. Even novice technicians can install the OPTIMAX in just a few minutes using inexpensive, commonly available tools such as industry-standard cleavers and strippers. Key installation steps are summarized in illustrated, plasticized quick reference cards, while the OPTIMAX installation video provides an easy to follow step-by-step guide to performing successful connections.

CONNECTORS ARE AVAILABLE IN:

- 62.5/125 Micron MultiMode
- 50/125 Micron MultiMode
- 8.3/125 Micron SingleMode

Connector Type	Fiber Type	Fiber Size	WPW Part No.
Multi-Mode Connectors			
ST Compatible	62.5/125um	900um Buffer or Jacketed	FI-8837
ST Compatible	62.5/125um	900um Buffered Fiber	FI-8835
ST Compatible	50/125um	900um Buffer or Jacketed	FI-1074
ST Compatible	50/125um	900um Buffered Fiber	FI-1075
SC	62.5/125um	900um Buffer or Jacketed	FI-0028
SC	62.5/125um	900um Buffered Fiber	FI-0029
SC	50/125um	900um Buffer or Jacketed	FI-1076
SC	50/125um	900um Buffered Fiber	FI-1077
Single-Mode Connectors and Accessories			
ST Compatible	8.3/125um SingleMode	900um Buffered Fiber	FI-1791
SC	8.3/125um SingleMode	900um Buffered Fiber	FI-1792
ST Accessory Kit		For Jacket Fiber	FI-1793
SC Accessory Kit		For Jacket Fiber	FI-1794
OPTIMAX Kit and Accessories			
OPTIMAX St Compatible & SC tool kit, Includes installation tool, fiber cleaver, strip tool, crimp tool, microscope, etc.			FI-3635
OPTIMAX St Compatible & SC Installation tool			FI-3634
OPTIMAX fiber cleaver			FI-8829
OPTIMAX Microscope			FI-8832
OPTIMAX Crimp tool			FI-3641

TECHNICAL INFORMATION

PARAMETERS

Interconnection Compatibility
 Field Assembly Time
 Insertion Loss (MM and SM)
 Durability (MM and SM)
 Nominal fiber O.D
 Storage Temperature
 Operating Temperature
 Tensile Strength
 Reflectance (MM)
 Reflectance (SM)
 Ferrule

SPECIFICATIONS

ST Compatible and SC compatible
 1 minute 900um, 3 minutes for Jacketed fiber
 .3dB (Typical)
 MM- less then .2 dB Change, SM- less than .3 dB change (500 cycles)
 125um
 -40° to 40° C
 0° to 55° C
 12 lbs. (54 N)
 -30dB (Typical)
 -40dB (Typical)
 Ceramic

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