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# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### Crimp Lode Multimode Fibre Optic Connectors

*No special heating tools, no ovens, no toxic glue—just quick and easy fibre connections.*

#### Key Features

- ▶ Simple connectors install in about two minutes.
- ▶ Meet TIA/EIA-568 performance specifications.
- ▶ No adhesive, setup, or electricity required.
- ▶ Pre-radiused PC zirconia ceramic ferrule ensures fiber contact and performance stability through temperature changes.

The ease of installation and quality performance of these Crimp Lock Fibre Optic Connectors make them ideal for emergency restoration work or quick fibre-to-the-desktop connections.

Their non-adhesive design makes the connectors quick and easy to install. The lack of epoxy ensures clean, non-toxic assembly. It also eliminates the need for special heating tools or ovens for curing—which means no setup, no need for electrical outlets, and no waiting for the assembled connector to cure.

In installing the connector

(which takes only about two minutes), the fibre passes through the back end of the connector body, through the malleable metal element, and beyond the end of the activation cap. Simply press the activation-cap locking arm to close the conformable metal element, which grips the fibre to eliminate the fiber movement that occurs in other crimp-style connectors.

When the crimp ring is crimped, the plastic buffer retention insert grips the buffer without crushing it to help the metal element prevent fibre

movement. On jacketed cable, the crimp ring also grips the Kevlar<sup>®</sup> strands and cable jacket to prevent the fibre connection from breaking when cable is pulled.

The performance of the Crimp Lock Fibre Optic Connectors meets or exceeds all current TIA/EIA-568 specifications. There is no fibre splice or second joint inside the connector to add attenuation at the connection. Also, the strength of the metal element helps the connectors meet temperature and humidity standards.

#### Specifications

Attenuation (@1300 nm) — FO120:  
Mean: 0.13 dB;  
Maximum: 0.29 dB;  
FO121: Mean: 0.14 dB;  
Maximum: 0.34 dB

Construction Materials — Boot:  
Elastomeric resin;  
Connector Body and Housing:  
Thermoplastic polymer;  
Connector Ferrule: Zirconia ceramic;

Couplings: FO120: Housing:  
Engineering thermoplastic;  
Sleeve: Ceramic;  
FO121: Housing: Nickel-plated zinc;  
Sleeve: Beryllium copper

Fiber Size — 125 µm multimode

Operating Temperature — 14° to 140°F (-10° to +60°C)

Return Loss — Mean: 29 dB;  
Maximum: 27 dB

#### Ordering Information

ITEM	CODE
Crimp Lock Multimode Fiber Optic Connectors	
SC .....	FO120
ST .....	FO121

