FP-00C-LD0

LC Plug for Plastic Optical Fiber

Datasheet

DESCRIPTION

Firecomms LC plugs can be assembled easily onto a Plastic Optical Fiber (POF) duplex cable to prepare it for use with Firecomms LC transceivers. The LC system offers a compact termination ideal for applications requiring robust plug retention and endurance against vibrations and mechanical shock.

Table 1
ORDERING INFORMATION / PART NUMBERS

Part Number	Name	Description
FP-00C-LD0	LC Plug for POF	LC plug for POF
FG-00D-LZ0	LC Dust Cap	White dust cap to fit LC plug

APPLICATIONS

- Control links within high voltage electrical control equipment
- Links between equipment that requires electrical isolation to be maintained
- Rugged links in hostile environments

FEATURES

- Cost-effective, rugged optical links
- Field termination
- High Retention Force
- Easy cable termination
- Compliant to IEC 61754-20 Edition 2

SPECIFICATIONS

Table 2
LC Plug Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Storage Temperature	T_{stg}	-40		+85	°C
Operating Temperature	T_{op}	-40		+85	°C
Installation Temperature	T_I	0		+70	°C
Retention Force, Connector to Transceiver	F_R	100			N
Insertion Force, Connector to Transceiver	F_I		9	12	N
Durability, Mating Cycles		500			
Standards Compliance	IEC 61754-20 Edition 2				
Fixing Method	Crimp				

MECHANICAL DIMENSIONS

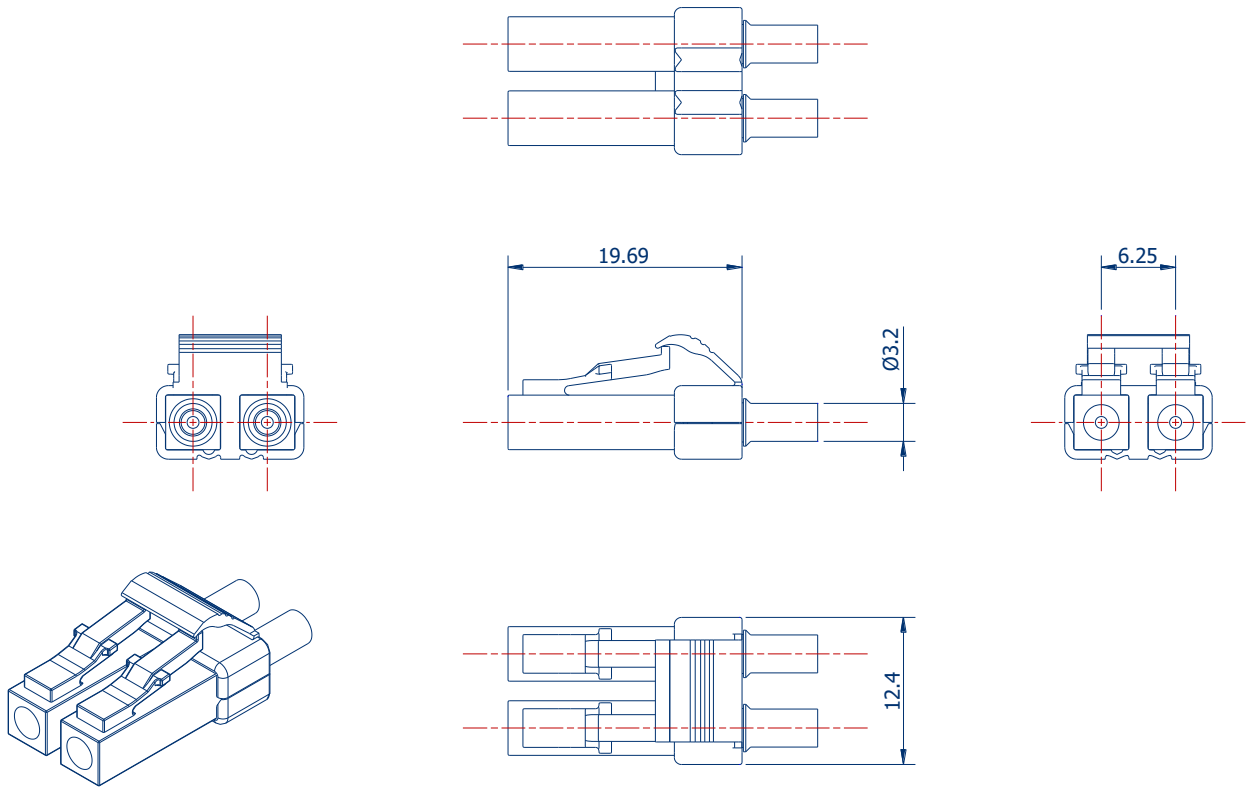

FIGURE 1
LC POF Plug

CONNECTOR AND CABLE ASSEMBLY POLISHING

For a professional solution to terminating and polishing an LC plug, Firecomms recommends the FiberFin Professional Installation Kit for LC Connectors.