

Model 4275 Very High Speed Ruggedized POF to ST Single Mode Fiber Interface Converter

- Applications may include Industrial Networks linking Machines or Robotic Equipment.
- Ideal for Casino Networks linking Video Lottery Terminals & Video Gaming Machines.
- Allows Connection of Plastic Fiber Optic Linked Terminals to ST Single Mode interface equipment.
- Provides Plastic Optical Fiber to Glass Optical Fiber conversion.

INTRODUCTION:

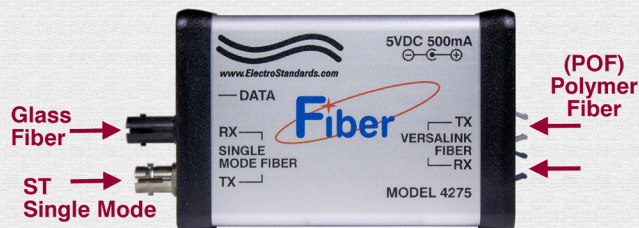
The Model 4275 is a very high speed ruggedized, protocol independent, ST Single Mode Glass Fiber to Plastic Optical Fiber (POF) interface converter from Electro Standards Laboratories. Typical operating speeds are up to 1 Mbps. Designed to operate from -40°C to +85°C, it is a member of Electro Standards Laboratories rugged community fiber-to-copper and fiber-to-fiber media converter family.

The unit features protection circuitry on the power input. The power input has reverse polarity protection, it is also protected from transients, over current and over voltage. Other features include user selectable fiber polarity and RX and TX indicator LEDs.

FEATURES:

- Converts VersaLink Plastic Core Fiber Optic interface to ST Single Mode (glass) Fiber Optic interface.
- Provides full galvanic isolation (no metallic connection) between connected devices.
- Full duplex connection between terminals network and data processing / communication equipment.
- Data transfer rate up to 1 Mbps.
- Fiber connection via standard VersaLink female connectors.
- ST Single Mode fiber connections via two standard ST female connectors.
- LED Status light displays data transfer activity.
- Dual Red/Green LED for indicating the fiber-optic receive and transmit data.
- Provided with external wall mount power supply, UL Listed, RoHS, LPS.

Model 4275 Fiber Converter



SPECIFICATIONS:

Plastic Fiber: (POF)

Cable Type: 1 mm plastic optical filament.
Wavelength: 660 nm (red).
Transmission Distance: 75 m (250 ft.) (POF).

Glass Fiber: ST Single Mode Fiber

ST Fiber Cable: 9/125µ, Single Mode.
ST Fiber Wavelength: 1310nm, Single Mode.
ST Fiber Transmission Distance: ~40 km (25 miles).

External Power Supply (included with Model 4275):

100 -240 VAC @ 50/60 Hz. UL Listed, RoHS, LPS
(Cat No 529954)
Dimensions: 2.25" x 1.1" x 4.42" (58mm x 28mm x 112mm)
Weight: Approximately 0.3 Lb. (137 grams).

ST/ST Fiber Optic Cables - Single Mode

Catalog Number	Length
981866-03 m	3 Meters
981866-05 m	5 Meters
981866-CUSTOM m	Length in meters

Versatile Link Plastic Core Cables - Multimode

Catalog Number	Length
986625-010	10 Feet
986625-020	20 Feet
986625-CUSTOM ft	Length in Feet

MODEL 4275 APPLICATION: Plastic Fiber (POF) / Glass ST Single Mode Fiber Converter

