

Pre-terminated Fibre Optic Cable



Fibrefab pre-terminated fibre optic cable is designed to take the cost out of fibre installation. Now there is no need to purchase expensive fibre termination and test equipment.

Fibrefab pre-terminated cable is available as either 62.5/125 50/125 or multimode or Singlemode with either 4, 8, 12, 16 or 24 fibres at any length you require (min 10m). We will professionally terminate both ends (i.e. a 4 fibre pre-term will have 8 connectors) with the connectors of choice.



Once terminated in our ISO approved test facility will perform rigorous tests to ensure the cable meets our rigid standards. Test results are supplied with the cable. To avoid damage the fibre is protected with an armoured plastic tube, completely coving the terminated fibres. The tube in turn has a Kevlar™ pulling eye so even difficult cable runs can withstand a greater pulling strain without damage the fibre.

- All Pre-Terminated cable assemblies use Tight Buffered LSZH cable
- Can be terminated with Connecters of your choice
- Available with 4, 8, 16 and 24 fibre cores





Description

Fibrefab has recognised the need for the pre-terminated cable solution to allow our customers to easily install there own fibre network. This network can then simply be plugged in without all the time consuming effort that it takes to do a traditional type of fibre optic install. This plug and play flexibility again recognises Fibrefab as a leader in fibre optic solutions.

The Optronics range of products has grown throughthe years, for full information on the Optronicsconnectors used on the Optronics patchcords, please contact FibreFab at the address below for aconnector data sheet.

Optical Connector performance

Optical Performance Singlemode

Insertion loss: Max. 0.3 dB Typical 0.2 dB

Return Loss: UPC > 50dB Typical 55 dB

APC > 60dB Typical 65 dB

Multimode

Insertion loss: Max. 0.5 dB Typical 0.3dB

(IEC 874-1 method)

Intermateability

Optically and mechanically compatible with all equivalent connectors.

Compliant with IEC 61754-4.

Product Packaging

Mechanical

Capillary diameter tolerance: SM-126 +/- 0.5 μ m, MM-127 =/- 0.5 μ m Ferrule Diameter:2.5mm \pm .001 Pre-radiused, PC-end finish for Physical Contact ferrule to ferrule. R 10 to 25mm

Temperature Cycling

(IEC 874-1 sec. 4.5.22) -40 to +75°C, 40 cycles =0.2dB Change

High Temperature:

(IEC 874-1 sec. 4.5.18) 75°C for 96 hours =0.2dB Change

Damp Heat:

(IEC 874-1 sec. 4.5.19) 60°C at 95% RH, 96 hours =0.2dB Change

Vibration (Mated Pair):

(IEC 874-1 sec. 4.5.1) 10-55 Hz, 1.5mm P to P =0.3dB Change

Mating Durability:

(IEC 874-1 sec. 4.5.32) 1000 mating cycles Clean every 25 < 0.2 dB Change

Operating Temperature -40°C to +85°C

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