

## Pre-terminated Fibre Optic Cable

CSWL 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.

CSWL pre-terminated cable is available as either 62.5/125 or 50/125 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 your 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

## Specifications

### Description

Cable Solutions has recognised the need for the pre-terminated cable solution to allow our customers to easily install their 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.

### 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 +/- 0.5µm, MM—127 +/- 0.5µm  
Ferrule Diameter: 2.5mm ± .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