

# FIBRECO

## Pre-Terminated Fibre Optic Cabling



ST & SC Standard Connector options - other connector types on request

Fibre Counts of 4, 8, 12 & 16

Fast Manufacturing Lead Times

Low Installed Cost

50/125, 62.5/125 or Singlemode Fibre

Fibreco manufactures a low cost pre-terminated cabling solution, which combines the benefits of using standard connectors and tight buffered cable with greatly reduced installation times.

These high quality factory terminated cables may be used for simple point to point links or to install a complete fibre optic network. The cabling is fully compatible with all standard cable management accessories and requires no special tools or expertise to install.

The cables are fitted with a gland and special pulling head, which is attached to the cable strength member. This fully protects the connectors during installation and allows the cables to be pulled through ducts without applying load to the terminations.

Fibreco pre-terminated cabling is fully tested in the factory and is supplied with an attenuation test certificate and installation instructions.

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## Pre-Terminated Fibre Optic Cabling Outline Specifications

### Connector Performance

Multimode		Singlemode		
ST, SC & LC Connectors		ST, SC, LC & FC Connectors		
Insertion Loss		Insertion Loss		Return Loss
Typical	<-0.3dB	Typical	<-0.2dB	SPC: >45dB
Maximum	-0.5dB	Maximum	-0.4dB	UPC: >55dB
				APC: >60dB

### Cable Characteristics: Tight Buffered internal / external specification

Fibre Count	Cable Dia (mm)	Weight (kg/km)	Sheath Material	Min Bend Radius	Installation Tension	Crush Resistance	Operating Temp (°C)
4	5.5	26	LSZH	55mm	800N	300N/cm	-20 to +60
8	6.0	32		60mm	900N		
12	6.5	40		65mm	1000N		
16	7.5	47		75mm	1200N		

### Multimode Fibre Characteristics

Fibre Type	Attenuation dB/km		Bandwidth MHz/km		NA
	850nm	1300nm	850nm	1300nm	
62.5/125	3.5	1.5	200	500	0.27
50/125 OM2	3.0	1.0	500	800	0.20
50/125 OM3	3.0	1.0	1500	500	0.20

### Singlemode Fibre Characteristics

	Attenuation dB/km		Dispersion ps/nm.km	
	1310nm	1550nm	1310nm	1550nm
9/125	0.40	0.28	3.5	18.0

### Pulling Head Characteristics

Maximum Diameter: 28mm

Maximum Tensile Load: 1000N

A Swivel and appropriate Fuse Pin must be used when pulling through ducts

Fibreco reserves the right to change specifications without notice