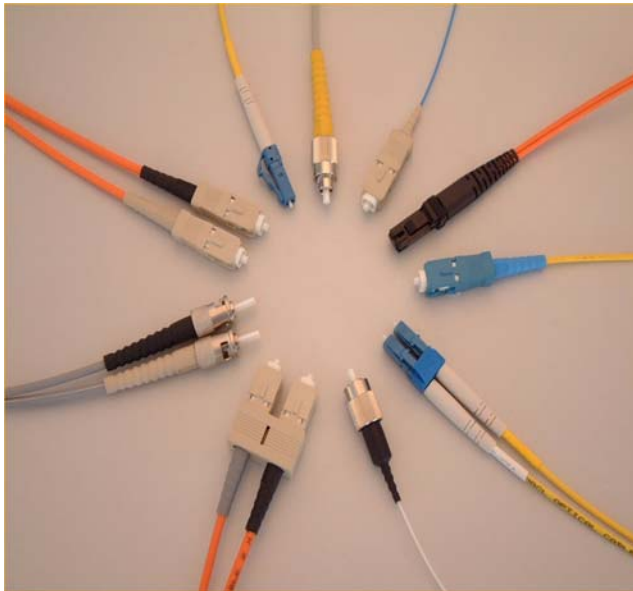


FIBRECO

Fibre Optic Cable Assemblies



High Quality Singlemode and Multimode Patchcords & Pigtailed

ST, SC, FC/PC, LC, MTRJ & SMA Connector Options

Fast Manufacturing Lead Times

100% Visually and Optically Tested

Interferometer Ferrule Geometry Testing where required.

Fibreco manufactures a wide range of high quality fibre optic patchcords and pigtailed in our purpose-built ISO9001 accredited termination facility.

All Fibreco products are produced to the highest industry standards using the latest termination and polishing technology to achieve outstanding levels of optical performance and reliability. All terminations are machine polished and our singlemode polishing capability includes Super PC (SPC), Ultra PC (UPC) and Angled PC (APC) options.

For applications which require cable assemblies with a higher level of protection, Fibreco manufacture ruggedised patchcords using Miniflex® Bend Limiting Tubing (BLT). This polypropylene tubing limits the bend radius to 30mm, preventing kinking and providing greater crush resistance for the optical fibre.

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Fibre Optic Cable Assemblies Outline Specifications

Connector Performance

Multimode		Singlemode		
ST, SC, LC & MTRJ Connectors		ST, SC, LC & FC Connectors		
Insertion Loss		Insertion Loss		Return Loss
Typical	<-0.2dB	Typical	<-0.2dB	SPC: >45dB
Maximum	-0.35dB	Maximum	-0.5dB	UPC: >50dB
				APC: >60dB

General Characteristics:

	Multimode	Singlemode
Cable	Simplex: 2.8/3.0mm dia Duplex: 2.8x5.8mm Minizip: 1.8x3.7mm 50/125: colour Orange 62.5/125: colour Grey Other colours on request	Simplex: 2.8/3.0mm dia Duplex: 2.8x5.8mm Minizip: 1.8x3.7mm Simplex: colour Yellow Duplex: colour Yellow Other colours on request
Length	All cable assemblies controlled to +0.1m/-0.0m	
Packaging	All cable assemblies individually packaged in self-seal polythene bags	

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	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