

Armoured Patchcord

Optronics armoured patchcord are used in outdoor applications in customer premises, central offices and in harsh environments. The patchcords provide flexible interconnection to active equipment, passive optical devices and cross-connects. Armoured patchcords are constructed with a stainless steel tube over a standard patchcord surrounded by a stainless steel mesh with an outer jacket. Optronics patchcords are terminated with our standard range of connectors, all quality tested to meet Optronics and international standards.

Features

- > Conform to IEC, EIA-TIA, and Telecordia performance requirements
- > Easy installation
- > Available in different fibre types
- > Available in standard and custom lengths
- > RoHS, REACH & SvHC compliant

Applications

- > Telecommunication Networks
- > CATV
- > LAN and WAN
- > FTTX
- > Broadband network
- > Military application

Technical Specification

ITEM	SIMPLEX	DUPLEX	DESCRIPTION
Fibre count	1	2	
Tight buffer	OD 0.6mm ± 0.05mm	OD 0.6mm ± 0.05mm	Blue / Yellow
Kevlar	2*1110 dtex *2	2*1110 dtex *2	Yellow
Outer Jacket	OD 3.0 +0/-0.2mm	OD 3.3+ 0.1mm	Blue-singlemode / Gray-multimode PVC & LSZH

FIBRE TYPE	MULTIMODE	SINGLEMODE
Operating wavelength (nm)	850 / 1300	1310 / 1550
Mode field diameter (µm)	62.5 ± 2.5	9.0 ± 0.2
Max Attenuation (dB/km)	3.0 / 1.0	0.4 / 0.3

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS		
Operating Temp (°C)	-40 to +75 LSZH / -40 to +70 PVC	
Max Tensile load (N)	Short term	300
	Long term	200
Max Crush resistance (N/100mm)	Short term	3000
	Long term	200
Cable weight (kg/km)	17.3	

FC-UPC / SC-UPC 9/125
Simplex patchcord Armoured



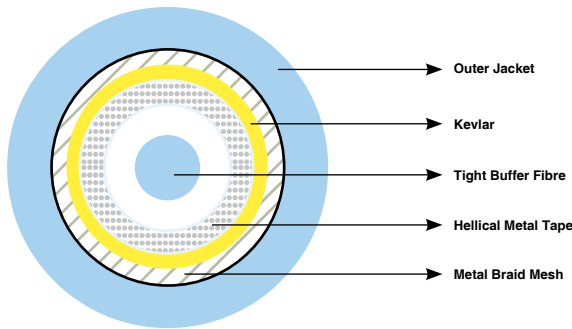
SC-PC / LC-PC 50/125
Duplex Patchcord Armoured



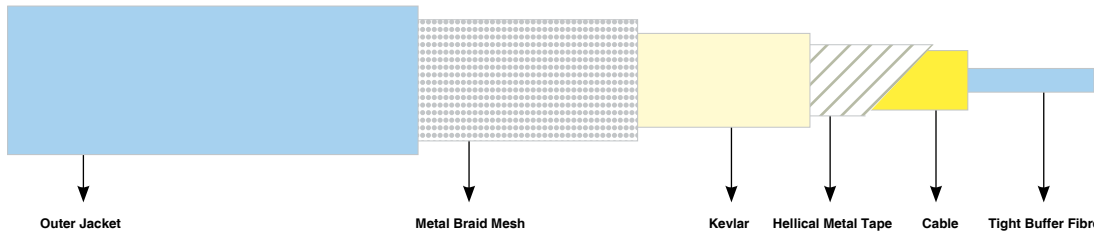
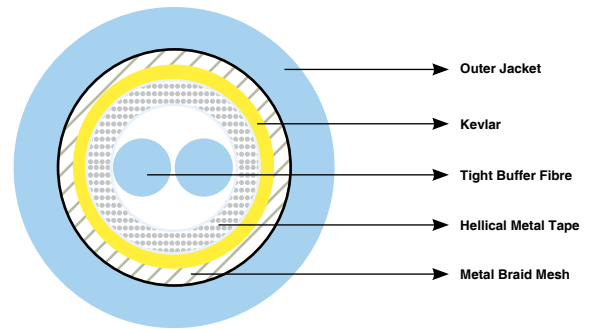
Connector Performance

	MULTIMODE	SINGLEMODE
Insertion loss (Typ)	0.30 dB	0.30 dB
Ave/Master	0.18 dB	0.15 dB
Ave/Random	0.18 dB	0.20 dB
Return loss	NA	55dB / 65dB

Simplex Patchcord Armoured



Duplex Patchcord Armoured



Part Number Generator

Connector END A		Connector END B		Fibre type		Cable Configuration		Cable Material		Cable Colour		Cable length (m)	SA/Z
FC	FC	FC	FC	OS1/OS2	09	Duplex 3.3mm	D1	LSZH	L	Blue	BL		Armoured Patchcord
FC/APC	FCA	FC/APC	FCA	OM1	62	Simplex 3mm	S1			Grey	GR		
SC	SC	SC	SC	OM2	50								
SC/APC	SCA	SC/APC	SCA	OM3	OM3								
ST	ST	ST	ST										
LC	LC	LC	LC										

Note: For multimode cable the cable colour will be grey (GR) and for singlemode it will be blue (BL).