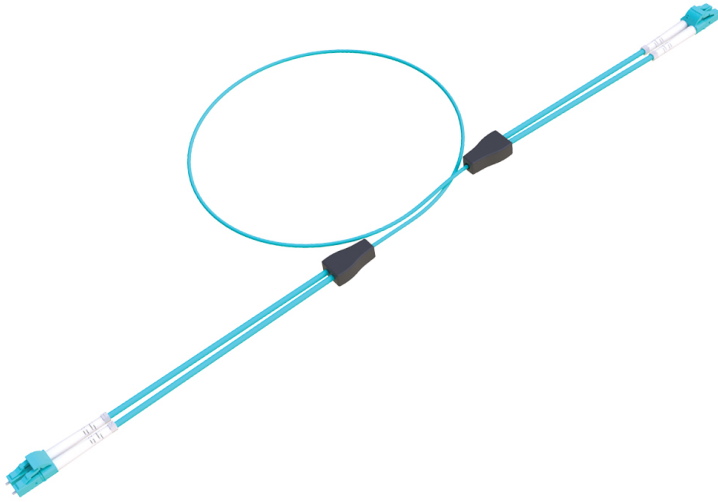


Product updated on December 01, 2017

Enhanced Armoured Patch Cords



Enhanced armoured patch cords are used in customer premises, central offices and in indoor harsh environments. The patch cords provide flexible interconnection to active equipment, passive optical devices and cross-connects. Armoured patch cords are constructed with an helical stainless steel tape over a buffered fibre surrounded by a layer of aramid and stainless steel mesh with an outer jacket. Our patch cords are terminated with our optimised range of connectors, all quality tested to meet our and international standards.

FEATURES/BENEFITS

- SC, LC, ST and FC connectors
- Available in low smoke zero halogen (LSZH) jacket
- Conforms to IEC, EIA-TIA or Telcordia performance requirements
- Available in different fibre types
- Available in standard and custom lengths
- REACH, SvHC and RoHS materials compliant

APPLICATIONS

- CATV / VIDEO
- Passive Optical Network PON
- FTTX
- ATM, SONET and WDM
- Military applications

SPECIFICATIONS

Connector Specification

OPTICAL PERFORMANCE	SINGLE MODE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.25 dB	0.25 dB	IEC 61300-3-4
Ave/Master	0.18 dB	0.2 dB	IEC 61300-3-4
Ave/Random	0.18 dB	-	IEC 61300-3-34
Return Loss Single mode UPC/APC	55/65 dB	-	IEC 61300-3-6

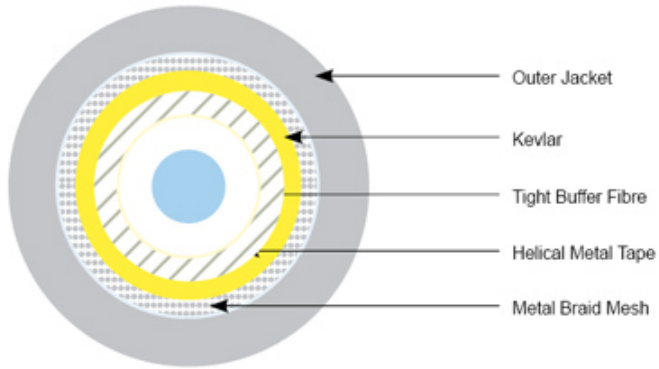
Fibre Specification

CHARACTERISTICS	
Attenuation (dB/km) Single mode	0.38 @ 1310 nm / 0.25 @1550 nm
Chromatic Dispersion (ps/nm x km) Single mode	3.0 @ 1310 nm / 18.0 @1550 nm
Attenuation (dB/km) Multimode	2.8 @ 850 nm / 0.8 @1300 nm

Cable Specification

CHARACTERISTICS	SIMPLEX	DUPLEX
Cable Material	LSZH	LSZH
Strength Member	Aramid	Aramid
Crush (N) short term	3000	3000
Crush (N) long term	200	200
Operating Temperature (°C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	IEC 60332-1

Simplex Patch cord Armoured



Outer Jacket

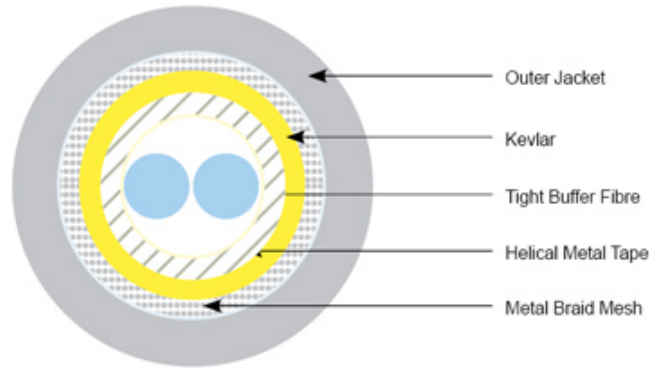
Kevlar

Tight Buffer Fibre

Helical Metal Tape

Metal Braid Mesh

Duplex Patch cord Armoured



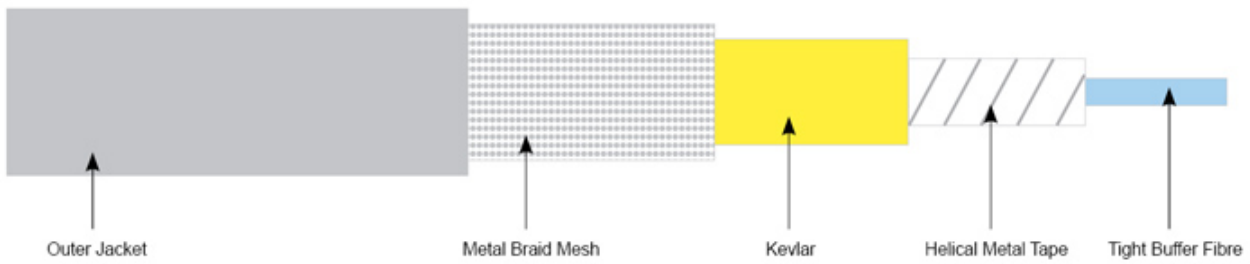
Outer Jacket

Kevlar

Tight Buffer Fibre

Helical Metal Tape

Metal Braid Mesh



Outer Jacket

Metal Braid Mesh

Kevlar

Helical Metal Tape

Tight Buffer Fibre

ORDERING INFORMATION

OPTAR	Connector End A	Connector End B	Cable Configuration	Fibre Type	Jacket Type	Cable Colour	Cable Length
L	LC	L	LC S	Simplex	2DG652D L	LSZH	YE Yellow 1 1 metre
S	SC	S	SC D	Duplex	A1 G657A1		OR Orange 5 5 metre
F	FC	F	FC		M1OM1		AQ Aqua 10 10 metre
T	ST	T	ST		M2OM2		EV Erika Violet xx Specify
LA	LC APC	LA	LC APC		M3OM3		
SA	SC APC	SA	SC APC		M4OM4		
FA	FA APC	FA	FA APC		R3 OM3 RBS		
					R4 OM4 RBS		

* Other lengths available

Example Part Number

OPTAR L S D M3 L AQ 5

This part number has created a 5 metre duplex LC to SC OM3 armoured patch cord in aqua LSZH cable jacket.

Europe

+44 (0) 1908 441 100
 sales@optronicsnet.com
 © Optronics 2018

Americas

+1 800 790 9932
 sales@optronicsnet.com

Asia Pacific

+86 755 2561 3694
 apac@optronicsnet.com

Middle East & Africa

+971 4 404 9606
 mea@optronicsnet.com