

# Enhanced Armoured Patch Cords

Enhanced armored 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 fiber surrounded by a layer of aramid and stainless steel mesh with an outer jacket. Our patch cords are terminated with our optimized range of connectors, all quality tested to meet our and international standards.



## Features

- 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 fiber types
- Available in standard and custom lengths
- REACH, SvHC and RoHS materials compliant

## Applications

- Datacentre and Colocation
- 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

### Fiber Specification

CHARACTERISTICS	
Attenuation (dB/km) Single mode	0.38 @ 1310 nm / 0.25 @1550 nm

CHARACTERISTICS	
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

### Ordering Information

Code	Fibre Type	Cable Type	Color	Code	End A	End B	Code	Unit	Length
P	1 OM1	FE1L ARM Simplex	2 ORANGE	E	A LC	A LC	-0000-	M Meters	1 1
	2 OM2	FE2L ARM Duplex	5 GREY		D SC	D SC		F Feet	2 2
	3 OM3		9 YELLOW		E SCA	E SCA			3 3
	4 OM4		C AQUA		H FC	H FC			5 5
	7 G.657A1				J FCA	J FCA			10 10
					K ST	K ST			XX Specify

### Legacy ordering information

Connector End A	Connector End B	Mode	Cable Configuration	Cable Colour	Cable Length	
FC	FC	09 OS1/OS2	S Simplex 3mm	BL SM and G.657A1 Blue	1 1 metre	/ARM
FCA	FC APC	7A1 G.657A1	D Duplex 3.3mm	GY OM1/OM2 Grey	2 2 metre	
SC	SC	62 OM1		AQ OM3/OM4 Aqua	3 3 metre	
SCA	SC APC	50 OM2		OR OM1/OM2 Orange	5 5 metre	
ST	ST	OM3 OM3		YE SM Yellow	10 10 metre	
LC	LC	OM4 OM4		RD SM Red	xx Specify	

### Example Part Number

LC	SC	OM3	D	AQ	3	/ARM
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This part number has created a 3 metre duplex LC to SC OM3 armoured patch cord in aqua LSZH cable jacket.