

Product updated on November 26, 2018

## 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 a 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/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 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

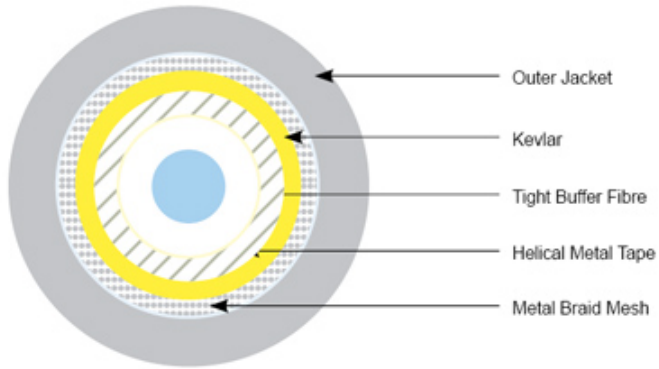
## CHARACTERISTICS

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

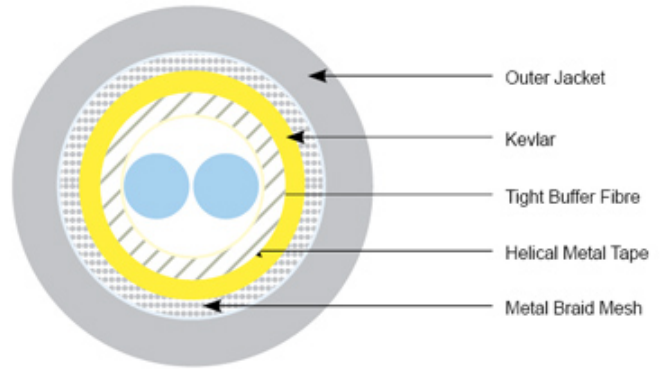
Kevlar

Tight Buffer Fibre

Helical Metal Tape

Metal Braid Mesh

Duplex Patch cord Armoured



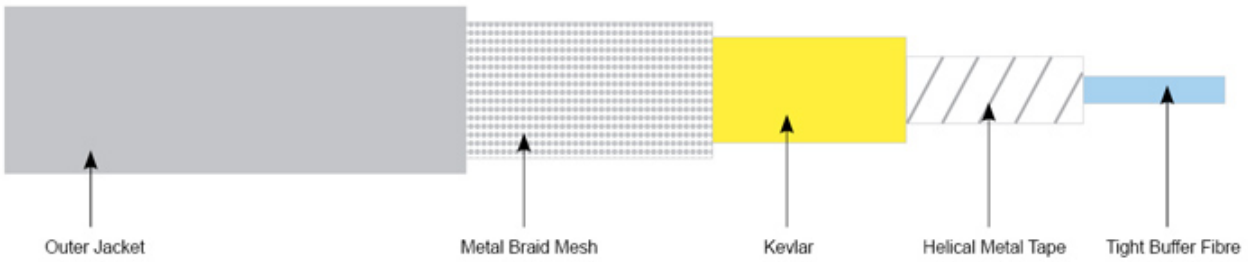
Outer Jacket

Kevlar

Tight Buffer Fibre

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Outer Jacket

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Kevlar

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Tight Buffer Fibre

ORDERING INFORMATION

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



FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.afllhyperscale.com/product/enhanced-armored-patch-cords>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of November 26, 2018

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