

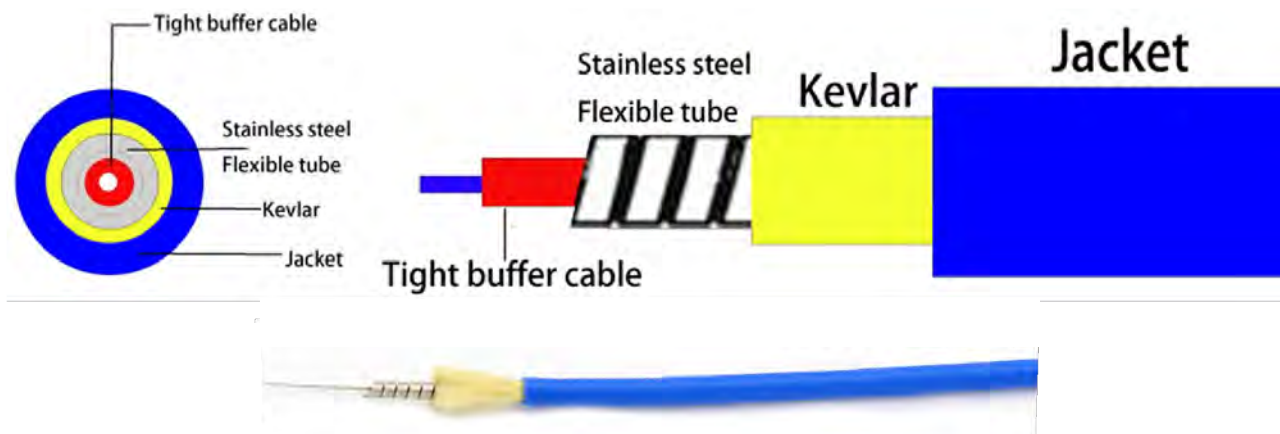
Model Name: Patch Cords Armored Simplex

Patch Cords Armored Simplex

Armored Patch Cable (Patch Cord) is a durable cable with a soft metal protection tube and standard connector, ideal for floor corner installations. It protects fibers from rodents, insects, and external damage. Strong yet flexible, it bends like standard patch cords without breaking. Its rugged design ensures reliable performance in hazardous environments with dust, oil, gas, moisture, or other damage risks.

Product Materials:

Zipcord Simplex Spiral Pipe Armored Cable



Fiber : G652D, G657A1, G657A2/B2, G657B3, OM1, OM2, OM3, OM4, OM5 Fibers
 Cable OD : 2.0x4.1mm, 2.4x4.9mm, 2.6x5.3mm, 3.0x6.1mm
 Cable Jacket: PVC (Riser/OFNR) : LSZH : Plenum (OFNP) Jacket materials

Minimum allowable Tensile Strength (N)		Minimum Allowable Crush Load (N/100mm)		Minimum Allowable Bending Radius (MM)	
Short Term	Long Term	Short Term	Long Term	Short Term	Long Term
1000	300	1000	500	20D	10D
1000	300	1000	500	20D	10D
1000	300	1000	500	20D	10D

Advantage of Armored Cable:



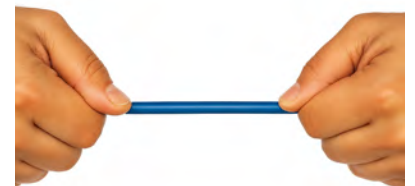
Small Bending Radius



Anti Tread



Anti Mouse and Ant Bite



Big Tensile Strength

Model Name: Patch Cords Armored Simplex

Connector Type:

LC

Standard ,Uniboot .
 Typical Applications :
 High density connections,
 SFP and SFP+ transceivers.



FC

Standard boot.
 Typical Applications:
 Datacom, Telecom,
 measurement equipment,
 single-mode lasers.



E2000

Huber+Suhner,
 R&M, Diamond
 Typical Applications :
 Telecom, DWDM



D4

Standard boot.



SC

Standard & Short boot.
 Typical Applications :
 Telecom;
 GPON; EPON; GBIC.



ST

Standard boot.
 Typical Applications:
 Datacom.



MU

Standard boot.
 Typical Applications:
 LAN,
 Telecommunication
 Network



DIN

Standard boot.



Connector Standard:

SC: TIA/EIA, FOCIS3, GR-326.NTT-SC IEC61754-4 and JIS C5973
 LC: TIA/EIA, FOCIS10, GR-326 EIA/TIA-604-10, IEC61754-20 and JIS C5973
 FC: EIA /TIA-604-04, FOCIS4, NTT-FC, GR-326. IEC61754-13 and JIS C5973
 ST: TIA/EIA, FOCIS2, GR-326. IEC61754-2 and JIS C5973 Etc.
 MU: TIA/EIA-604-3A, GR-326.NTT-MU, JIS and IEC
 MTRJ: TIA/EIA, FOCIS12, GR-326. IEC and JIS C5973
 DIN: IEC61754-3



Standard connectors LC, SC, ST, FC, E2000, MU, D4, Din, LX.5, SMA are available
High precious connector guarantee Good Repeatability and Interchangeability
OEM Housing kits Color, OEM boot Colors
Customized Design for special demand



High quality SM Ceramic ferrule, Good concentricity<0.5um
High quality MM Ceramic ferrule, Good concentricity<4.0um

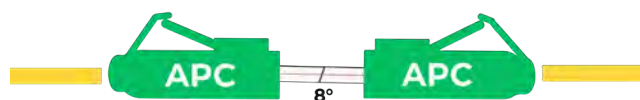
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Optical Specifications

Connector	SC, LC, FC, ST, MU, MTRJ, DIN	Polish	PC, UPC, APC
Fiber Mode	9/125µm, 50/125µm, 62.5/125µm	Jacket Color	SM:Yellow/Blue/White; OM1&OM2: Grey/Orange; OM3:Aqua; OM4:Aqua/Violet/ Magenta
Cable OD	2.0mm,2.4mm, 2.6mm,3.0mm	Wave Length	SM:1310/1550nm
Cable Structure	Zipcord Simplex	Jacket Material	LSZH/PVC/OFNR/OFNP
Insertion Loss	≤0.3dB(IEC Grade C) ≤0.12dB(IEC Grade B)	Crush Resistance (N/100mm)	Long term 3000; short term:5000
Return Loss	SM UPC ≥ 50dB(min) SM APC ≥ 60dB(min) MM PC≥ 35dB(min)	Interchangeability & Vibration	≤0.2dB
Tensile Strength (N)	Long term: 100 Short term: 200	Operation & Storage Temperature	-45~85°C

Items	Parameter		
Polishing	PC		APC
ROC	SC/FC/ST	10 ~ 25mm	5 ~ 12mm
	LC/MU	7 ~ 25mm	5 ~ 12mm
Apex Offset	≤ 50µm		
Fiber Spherical Height	±100nm		
Angle	-----		8 ± 0.5

Polishing Method



APC (8 Angled Polished Connector)



UPC (Ultra-Polished Connector)

End-face Quality (SM)

Zone	Range (µm)	Scratches	Defects	Reference
A. Core	0 to 25	None	None	IEC 61300-3-35:2015
B. Cladding	25 to 115	None	None	
C. Adhesive	115 to 135	None	None	
D. Contact	135 to 250	None	None	
E. Rest of Ferrule		None	None	



SM UPC



SM APC

Model Name: Patch Cords Armored Simplex

End-face Quality (MM)

Zone	Range (μm)	Scratches	Defects	Reference
A. Core	0 to 65	None	None	IEC 61300-3-35:2015
B. Cladding	0 to 115	None	None	
C. Adhesive	115 to 135	None	None	
D. Contact	135 to 250	None	None	
E. Rest of Ferrule		None	None	



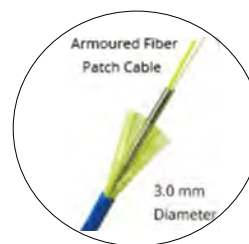
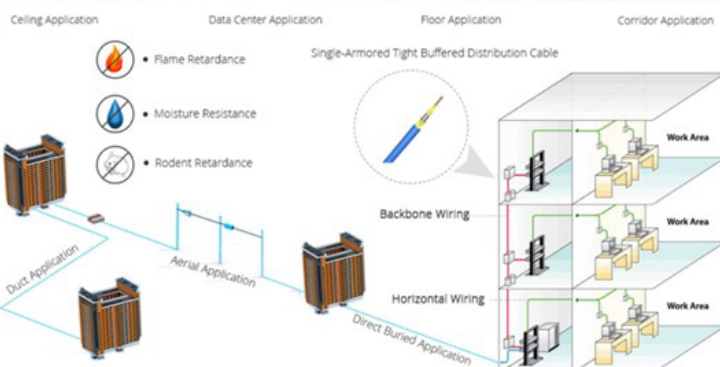
MM PC

Length Tolerance

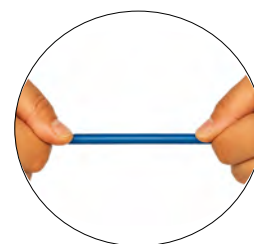
Overall Length (L) (m)	Length of Tolerance (cm)
0<L<1	+5/-0
1<L<10	+10/-0
10<L<40	+15/-0
40<L	+0.5% x L/-0

Benefits of Armored Fiber Patch Cable

Common fiber optic cables are fragile and need protection, especially in harsh environments where they face rodents, wear, or weather damage. Armored fiber patch cables offer the same performance as standard cables but with added strength from a flexible steel tube, ensuring reliable network operation



Saving Space



High Tensile Strength



Rodent Resistant



Anti Trample



Wide Applications



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Order Instruction

Armored PatchCord	Fiber Count	Fiber Grade	Connector A	Connector B	Unit Cable OD	Cable Jacket	Cable Color		LENGTH
B	S1-Simplex Armored	1 - G652D	A - LC UPC	A - LC UPC	1 - 2.0	H - LSZH	A	Blue	1=1m
	S2-Simplex Armored + Braiding	2 - G657A1	B - SC UPC	B - SC UPC	2 - 3.0	C - PVC	B	Orange	
	Z1-Zipcord DX Armored	3 - G657A2/B2	C - FC UPC	C - FC UPC	3 - 3.3 (braiding)	R - OFNR	C	Green	
	Z1-Zipcord DX Armored + Braiding	4 - G657B3	D - ST UPC	D - ST UPC	4 - 0.9/0.6(>2F)	P - OFNP	D	Brown	
	R1-Uni-tube DX Armored	5 - OM1	E - LC APC	E - LC APC		U - PU	E	Grey	
	R2-Uni-tube DX Armored + Braiding	6 - OM2	F - SC APC	F - SC APC		E - PE	F	White	
	A-4 Cores	7 - OM3	G - FC APC	G - FC APC			G	Red	
	B-6 Cores	8 - OM4	H - ST APC	H - ST APC			H	Black	
	C-8 Cores	9 - OM5	I - E2000 UPC	I - E2000 UPC			I	Yellow	
	D-12 Cores		J - E2000 APC	J - E2000 APC			J	Purple	
	E-16 Cores						K	Pink	
	F-24 Cores						L	Aqua	
							M	Magenta	
							X-	Other	