

DATASHEET

4-24F fanout armored FO patch cord 1

Make strongest Optical network Cabling System



IL<0.3dB Max



RoHS



OMC INDUSTRY CO.LIMITED



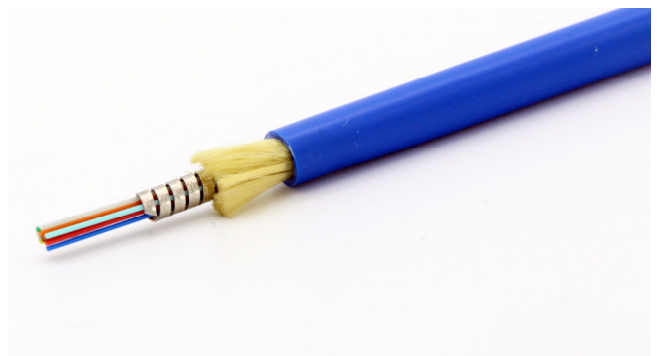
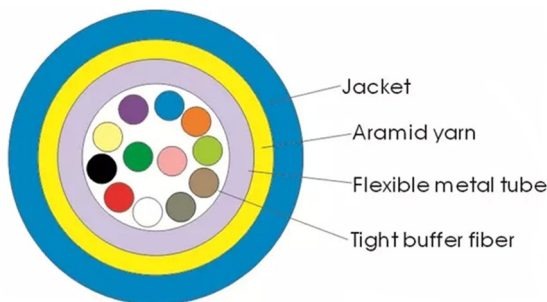
4-24F fanout armored FO patch cord

Description

4-24F Armored Patch cable (Patch cord) is a patch cord which could be used as cooper patch cable. They adopted a cable with soft metal protection tube and standard connector. The apply place are in the floor corner. Those products could protect the fiber bite by mouse and ant. Although armored fiber optic cables are strong, they are actually as flexible as standard fiber optic patch cords; they can be bending randomly without being broken. The rugged armored cables allow optical fiber to be installed in the most hazardous areas, including environments with excessive dust, oil, gas, moisture, or even damage-causing rodents.

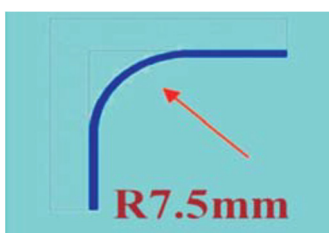
Our 4-24F Armored Patch cord included 4/6/8/12/24 cores different optional.

Products Materials-Armored Cable



Item	Contents	Unit	Fiber Count				
Fiber count	Number	/	4	6	8	12	24
Tight buffer	material	/	PVC				
	diameter	mm	0.6				
Flexible metal tube	material	/	SUS204				
	diameter	mm	2.4	2.8	2.8	3.9	6
	thickness	/	0.35mm				
Strength member	Material	/	Aramid yarn				
Outer sheath	Color	/	Blue				
	Material	/	LSZH,PVC(OFNR,ONFP),TPU				
Cable diameter	±0.1	mm	4.00	5.00	5.00	6.00	9.00
Cable weight	±10%	kg/km	25	35	35	57	70
Max. tensile load	Short term	N	200	300	300	400	500
Max. crush resistance	Short term	N/100mm	2000	2000	2000	3000	4000
Min. bending radius	Installation	/	20D				
	Operation	/	10D				
Temperature range	Operation	°C	PVC&LSZH :-20-+70, TPU:-40-+80				

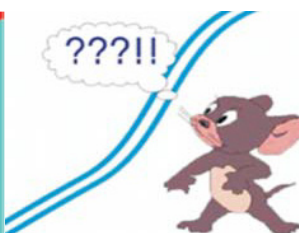
Advantage of Armored cable



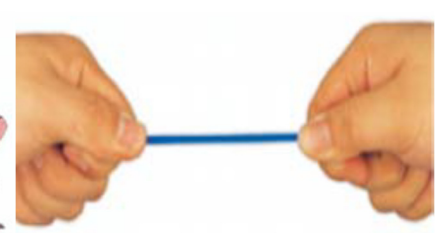
Small bending radius
www.omftth.com



Anti-tread



Anti-bite of mouse and ant
sales@omcftth.com



Big Tensile Strength
0086-755-23776806



4-24F fanout armored FO patch cord

Connector Type

LC

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



SC

Standard boot ,
Short boot
Typical Applica-
tions : Telecom;
GPON; EPON; GBIC.



FC

Standard boot
Typical Applications : Datacom,
Telecom, measurement equip-
ment, single-mode lasers



ST

Standard boot
Typical Applications :



E2000

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



MU

Standard boot
Typical Applications: LAN,
Telecommunication Net-



D4

Standard boot



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.

DIN: IEC61754-3

E2000: IEC61754-15



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



High strength Breakout kits to protect cable
Very reliable



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Optical Specifications

Connector	SC,LC,ST,FC,MU,E2000,MTRJ...	Polish	PC,UPC,APC
Fiber Mode	9/125μm, 50/125μm, 62.5/125μm,	Jacket Color	SM:Yellow/Blue/White/Black OM1&OM2: Grey/Orange; OM3:Aqua; OM4:Aqua/Violet/ Magenta
Insertion loss	≤0.3dB(IEC Grade C) ≤0.12dB(IEC Grade B)	Return loss	SM UPC ≥ 50dB(min) SM APC ≥ 60dB(min) MM PC ≥ 35dB(min)
Interchangeability &Vibration	≤0.2dB	Opera- tion&Storage tem- perature	-40~85°C

Geometric Specification(if Customer requested)

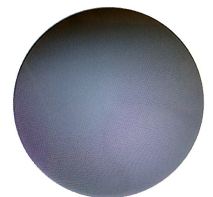
Items		Parameter	
Polishing		PC	APC
ROC	SC	10 ~ 25mm	5 ~ 12mm
	LC	7~ 25mm	5 ~ 12mm
Apex Offset		≤ 50um	
Fiber Spherical Height		±100nm	
Angle		—	8 ± 0.5

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

End-face Quality (MM)

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

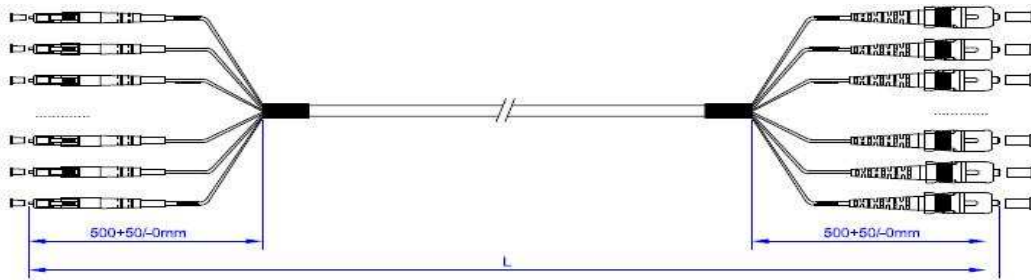


MM PC



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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
$40 < L$	$+0.5\% \times L / -0$

Packaging

This easily taken and well-protected fiber patch cable package has been labelled and marked by OMC as de-fault .Standard carton size : 34*22*15 cm ; 44*34*24 cm ; 54*39*34 cm . Which carton to be used depends on goods Qty . Packing can be customized.



1,Self-seal PE Bag



2 Bubble Bag



3, Paper Carton



4,fumig-free Pallet

OME service {

- 1, Cable color, printing word, material of cable jacket, connector's color
- 2, OEM Label, Identify ring, cable's label, box, shipping marks
- 3, Different quality Level.

Order Instruction

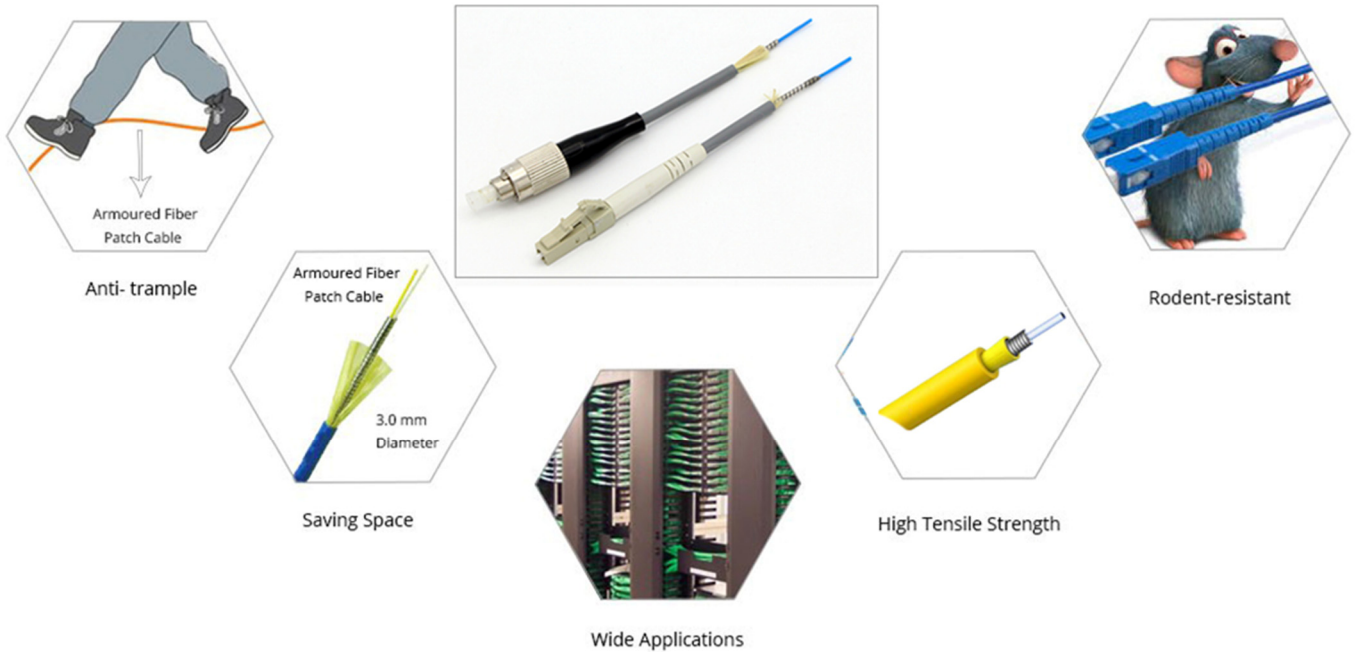
Armord patch cord	Fiber count	Fiber Grade	Connector A		Connector B		Unit cable OD	CABLE JACKET	CABLE COLOR		LENGTH
B	S1-Simplex armored	1 - G652D	A	LC UPC	A	LC UPC	1 - 2.0	H-LSZH	A	Blue	1=1m
	S2-Simplex armored +braiding	2 - G657A1	B	SC UPC	B	SC UPC	2 - 3.0	C - PVC	B	Orange	
	Z1-Zipcord DX armored	3 - 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	



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Benefits of Armored Fiber Patch Cable

Common fiber optic cable is fragile, which needs to be protected, especially when in harsh applications where cables could be compromised by rodents, constant wear and tear or weather damage. Armored fiber patch cable retains all the features of standard fiber cable but is much stronger due to its extra layers of armor. With the protection of flexible and durable steel tube, armored fiber patch cable will ensure the excellent operation of your network.



Ideal for harsh installation conditions that require exceptional durability. It is used as interconnection or cross connection in data center. It is also used in ceiling, corridor and other harsh environment.

