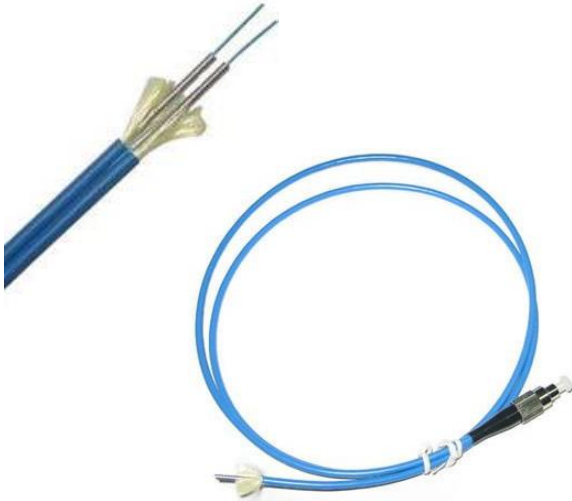




## Fiber Optical Armored Patch-cord

Part number : **FAMD-xxxx-xxxx-xxx**



### Overview :

The FAMD series armored fiber optic patch cords have stainless steel tube inside the outer jacket to protect the central unit of the cable. Thus the fiber will not get damaged even they are stepped by an adult and bit by rodents. Although armored fiber optic patch cords are strong, they are actually as flexible as standard fiber optic patch cords, and they can be bent randomly without being broken. It is the most safe and strong solution for cable deploying in critical and tough environment.

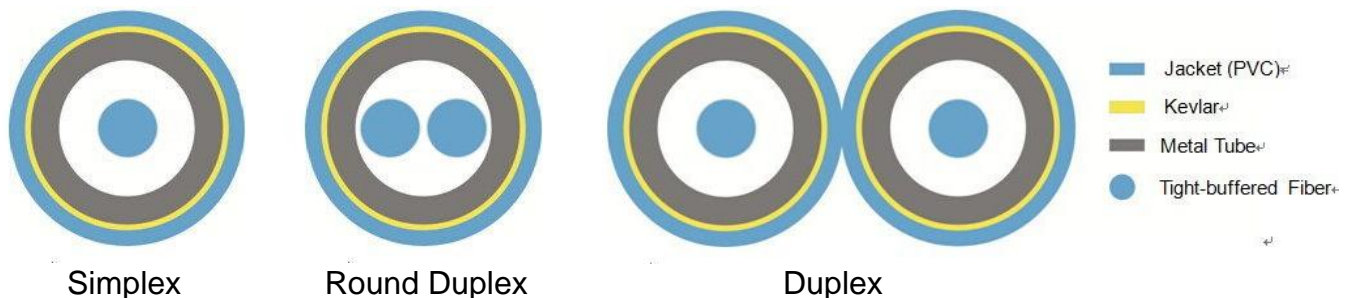
### Applications :

- Indoor underground deployment
- Critical and tough environment
- Test and Measurement Equipment
- Military & Medical application

### Features :

- Steel tape armored inside outer jacket
- High tensile strength, pressure resistance and re-twist resistance
- Resistance of rodent bite
- Flame retardant
- Varieties of optical fiber connectors available
- Electric cable-like handing and easy for installation

### Armored Cable Cross Section :





## Optical Parameters :

Fiber Type		Single-mode	Multi-mode
Nominal Fiber OD		125.3 ~ 126.5μm	126 ~ 127.5μm
Connector Type		SC, FC, ST, E2000, LC, MU	SC, FC, ST, E2000, LC, MU
Insertion Loss ( Typical )( dB )		0.2	0.3
Insertion Loss ( Max. )( dB )		0.3	0.5
Return Loss ( dB )	PC	≤ -40	-
	UPC	≤ -50	-
	APC	≤ -60	-
Mating Durability (500 cycles)		≤ 0.2dB	
Temperature Stability		≤ 0.3dB	
Operating Temperature °C		-40°C ~ 70°C	
Storage Temperature °C		-40°C ~ 85°C	

\*Measured with 1310nm for SMF and 850nm for MMF

## Cable Parameters :

Cable Type		Simplex		Round Duplex		Duplex	
Cable Diameter		2.0mm	3.0mm	3.0mm	4.8mm	2.0mm*2	3.0mm*2
Cable Weight ( Kg / Km )		6.5	10.5	15.5	27.0	12.0	22.0
Tensile Strength ( N )	Short Time	200	200	600	800	400	600
	Long Time	100	100	300	400	200	300
Crush resistant ( N / 100mm )		4500	4500	3000	3000	5000	5000



## Ordering Information :

FAMD- -  -

### Fiber Type

- S: SM 9/125 G652D
- A: SM 9/125 G657A
- B: SM 9/125 G657B(A2)
- Z: SM 9/125 G655
- 1: MM 62.5/125 OM1
- 2: MM 50/125 OM2
- 3: MM 50/125 OM3
- 4: MM 50/125 OM4

### Cable Type

- S: Simplex
- D: Duplex
- R: Round Duplex

### Cable Diameter

- 3: 3.0mm
- 2: 2.0mm
- 4: 4.8mm

### Cable Jacket

- P: PVC( OFNR )
- L: LSZH
- T: TPU
- F: OFNP
- E: ETFE

### Connector Type at End 1 & End 2

- F: FC type
- S: SC type
- T: ST type
- L: LC type
- C: DSC
- D: DLC
- G: Uni LC
- U: MU
- E: E2000
- 5: LX.5
- X: None
- P: PC type
- A: APC type
- X: None

### Cable Length

Meters ( including Connector )

EX : 003=3M, 015=15M, 100=100M, 0X5=0.5M, 3X5=3.5M, 01K=1KM, 1K5=1.5KM, 10K=10KM