



Fiber Optical Armored Breakout Patch-cord

Part number : FABD-xxxx-xxxx-xxxxxx



Overview :

The FABD series Armored Breakout 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. The Breakout part has Multiple 2.0mm or 3.0mm cord. It has the benefits including easy installation, compact size and excellent loading performance. FABD series is the most strong and convenient solution for cable deploying in critical and tough environment

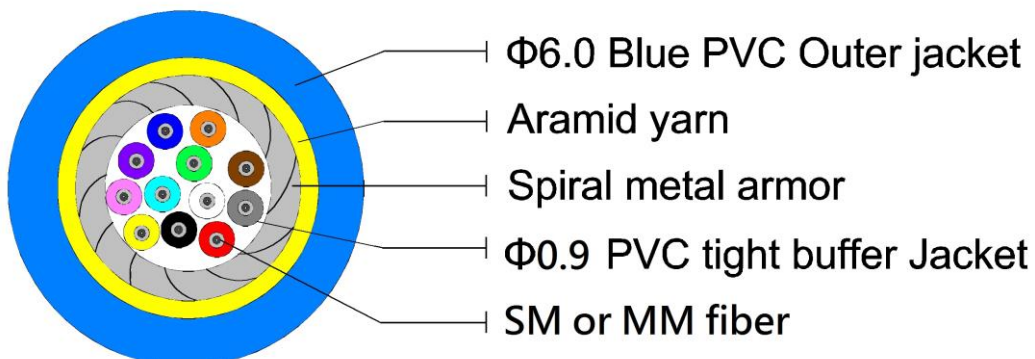
Applications :

- Indoor underground deployment
- Critical and tough environment
- Test and Measurement Equipment
- Military & Medical application
- FTTH / FTTB
- CATV

Features :

- Steel tape armored inside outer jacket
- High tensile strength, pressure resistance and wist resistance
- Resistance of rodent bite
- Flame retardant
- Varieties of optical fiber connectors available
- High Reliability & Stability

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	

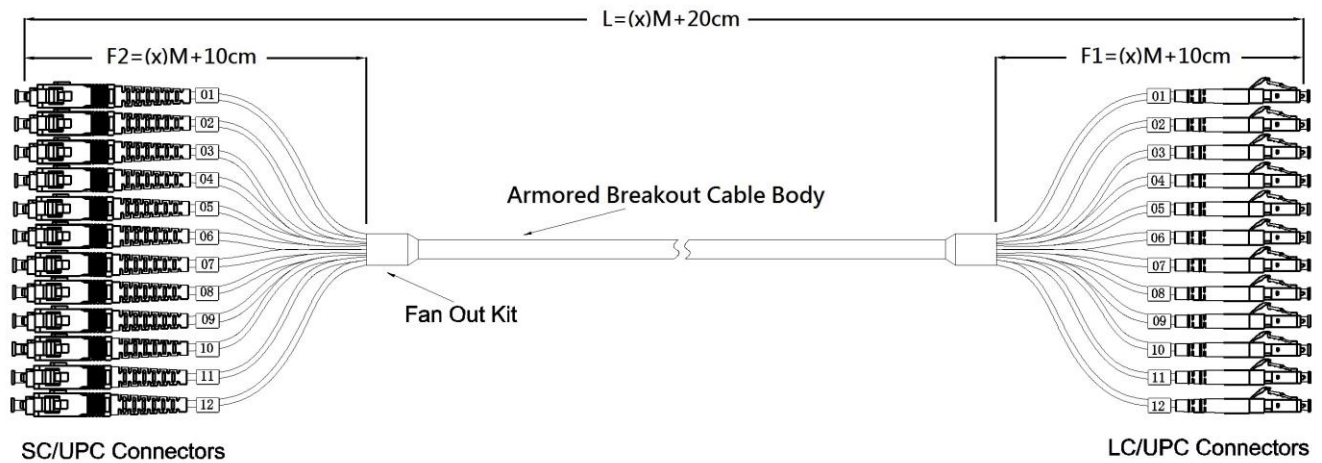
*Measured with 1310nm for SMF and 850nm for MMF

Cable Parameters :

Item		Single-Mode		Multi-Mode	
Outer diameter		6.0mm		6.0mm	
Standard color		Blue		Gray	
Cable weight		45kg/km approximately			
Operating temperature		-20℃ ~ +70℃			
Storage temperature		-40℃ ~ +80℃			
Tensile strength	Short term	800N			
	Long term	500N			
Compression resistant strength		≥3000N/100MM			
General attenuation		1310nm	≤0.35dB/km	850nm	≤3.0dB/km
		1550nm	≤0.25dB/km	1300nm	≤1.0dB/km
Minimal Bending radius		≥30D		≥30D	
Printing contents		OPTICAL CABLE SM(9/125) 6.0mm 12C XXXXM		OPTICAL CABLE MM(62.5/125) 6.0mm 12C XXXXM	



Mechanical Drawing :





Ordering Information :

FABD- - -

Fiber Type

S: SM 9/125 G652D
A: SM 9/125 G657A
B: SM 9/125 G657B
C: SM 9/125 G.657B3
1: MM 62.5/125 OM1
2: MM 50/125 OM2
3: MM 50/125 OM3
4: MM 50/125 OM4

Cable Counts

04: 4 Cores 36: 36 Cores
08: 8 Cores 48: 48 Cores
12: 12 Cores 72: 72 Cores
24: 24 Cores 96: 96 Cores

Cable Jacket

P: PVC Q: OFNP
L: LSZH R: OFNR

Connector Type at End 1 & End 2

F- FC type P- PC type
S- SC type A- APC type
T- ST type
L- LC type
U- MU
E- E2000
N- None

Total Length

Meters (including Connector)

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

Fan-out Cable Diameter

Y: 2.0mm Z: 3.0mm

Fan-out Length

Meters EX : 10=1.0M, 20=2.0M, 05=0.5M, 03=0.3M, 15=1.5M