

## Fiber Optic Outdoor patch cable

### Technical Specification



Version	Date	Description of Change(s)
A01	04/ 10 / 2024	First Release

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**Fiber Optic Outdoor patch cable** Connector together with the far transmission cable, are becoming the standard interface specified in 3G, 4G and Wimax Base Station remote radios and FTTA (Fiber-to-the-Antenna).

## 1 Features

The ODC Cable assemblies have passed testes like salt mist, vibration and shock and meet protection class IP67. They are well suited for Industrial and Aerospace and Defense applications.

- ✓ Screwed locking mechanism, confirm the connection is long-term and reliable.
- ✓ Guide structure, can be installed blindly, simply and quickly.
- ✓ Airtight construction: Water proof, dust proof and corrosion resistant.  
Protection caps.
- ✓ Compact appearance, robust and flexible.
- ✓ Sealing design through wall.
- ✓ Reduce the times of splicing.

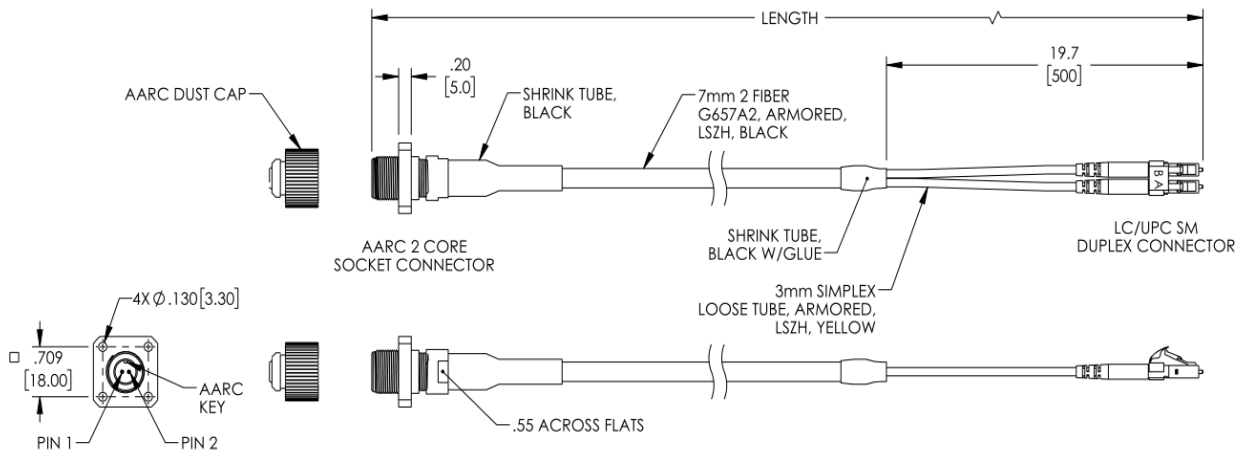
## 2 Applications

- ✓ Indoor and Outdoor applications
- ✓ Outdoor & Military communication equipment connection.
- ✓ Oil field, mine communication connection.
- ✓ Far transmission wireless base station.
- ✓ Video Surveillance system
- ✓ Optical fiber sensor.
- ✓ Railway signal control.

### 3. Specifications

Parameters		Unit	Value	
Type		/	SM	MM
Operating Wavelength		nm	1310 /1550	850 /1300
Connector Fiber Count		/	2 or 4 core	
Polish		/	UPC or APC	
Insertion Loss	Standard type	dB	≤0.70	≤0.50
	Elite type	dB	≤0.35	≤0.30
Return Loss		dB	PC≥50,APC≥55	APC≥30
Durability (500 matings)		dB	less than 0.2	/
Cable OD		mm	5.0, 6.0, 7.0	
Fiber Length		cm	200±5	
Mating times		N	≥500	
Water resist		/	IP67	
Cable Color		cm	Black	
Operating Temperature		/	-40 ~ +85°C	

### 5. Mechanical Dimensions



## 6. Ordering information

ODCX-XXM-XXX-XF-XXX-AR01-XX 1 2 3 4 5 6 7 8	Outdoor CPRI armored fiber patch cable, ODC connector plug socket to different FO connectors and cores, Black.
1: ODCX indicate ODC cable connector type: ODCM=ODC Male; ODCF=ODC Female connector;	
2: XXM indicate the length: 1M,3M,5M or customized	
3: XXX indicate the connector type: ODCM=ODC/Male; ODCF=ODC/Female, LC=LC/UPC, SC=SC/UPC, FC=FC/UPC, ST=ST/UPC, E2000=E2000/UPC, MTRJ=MTRJ/UPC, LCA=LC/APC, SCA=SC/APC, FCA=FC/APC, STA=ST/APC, E2000A=E2000/APC, MU=MU/UPC	
4: X indicate the cable core: 2F= 2 cores, 4F=4 cores, ...	
5: Indicate Fiber Type: SM=SM G652D, SMA1=SM G657A1, SMA2=SM G657A2, M1=OM1, M2=OM2, M3=OM3, M4=OM4, M5=OM5	
6: X indicate the CPRI armored fiber cable: AR01= all Armored	
7: Indicate the cable diameter: 4.5=4.5mm, 5=5.0mm, 6=6.0mm, 7=7.0mm	
8: X indicate the material of jacket: P=PVC, L=LSZH, O=OFNR or customized	

Part Number	Product Description
ODCM-2M-DLC-2F-SMA2-AR01-7L	Outdoor CPRI armored fiber patch cable, ODC/Male to LC/UPC, SMA2 G657A2, Duplex 2cores, 7.0mm, 2meter, LSZH, Black.
ODCM-10M-SC-4F-SMA2-AR01-7L	Outdoor CPRI armored fiber patch cable, ODC/Male to SC/UPC, SMA2 G657A2, 4cores, 10meter, 7.0mm, LSZH, Black.

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