



1、Descriptionss

ODC fiber optic patch cables with extremely robust outdoor connector are designed to withstand harsh environment such as mechanical loads, high thermal exposure, and demanding environments like rain, salt and splash water. It is known for their ease of installation and highest operation safety due to the robust and ruggedized design. ODC military grade cables are installation-friendly for fixed or mobile applications and transmit reliably data over long distances under severe environmental conditions.

2、Features

- 100% factory tested assemblies with traceable test data, Low environmental sensitivity
- Robust fiber-optic connector for 2 and 4 channels with screwed mating mechanism
- IP68 protection, salt-mist proof, and EMI protection
- High shock, vibration, and mechanical resistance
- Broad temperature range and wide range of indoor and outdoor cables
- Easy, reliable and cost-effective installation
- Standard connector, Various connector option: LC、SC、FC、ST etc.

3、Specifications

Connector Type(optional)	End A : Socket / Plug		End B : LC、 SC、 FC、 ST
Fiber Type	SM (9/125um)		MM (50/125um、 62.5/125um)
Polish	UPC	APC	UPC

XDK Communication Equipment (Huizhou) Co., Ltd.

Insertion Loss	SM: Loss≤0.70dB (Max) 、 Loss≤0.50dB (typical) MM: Loss≤0.50dB (Max) 、 Loss≤0.20dB (typical)	
Return Loss	UPC≥50dB, APC≥60dB	UPC≥20dB
Repeatability	200 times typical change value ≤ 0.20dB	
Interchangeability	≤0.20dB	
mechanical character	Socket / Plug: ≤500N (Cable)	
Protection level	IP67	
Fiber count(optional)	2、 4、 6、 8	
Cable Diameter(optional)	4.0、 5.0mm	
Jacket Material(optional)	LSZH、 TPU	
Operating Temperature	-20 ~ +70°C	
Storage Temperature	-40 ~ +85°C	

4、 Application

- 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.
- Intelligent substation