

Please be advised

*ARTIC FIBER and NEATEL as one great unit manufacturer from China is a leading global supplier of fiber optical components and systems for connectivity solution. Our customers in communication, industry and transportation appreciate that we are specialists with detailed knowledge of practical applications.*

# DATASHEET

## **3x1 FTTX Universal Harden Field Assembly Optical Connector**

- For FTTx Solution



## Product Description

This kind of 3 in 1 Preconn Harden Field Assembly Reinforced Optical Connector design and producing from ARTIC FIBER company, it has compatible for OptiTap, Slim and FastConenct all in one with a same connector body, apply to outer cable diameter: 3.0mm and 5.0mm round drop cable, 2.0\*5.3mm and 2.0\*3mm flat drop cable. Please welcome for contacting us for more RFQ, if you using this solution saves labor and time, and can quickly and effectively restore the fiber optic network, the installation only for plug and play.

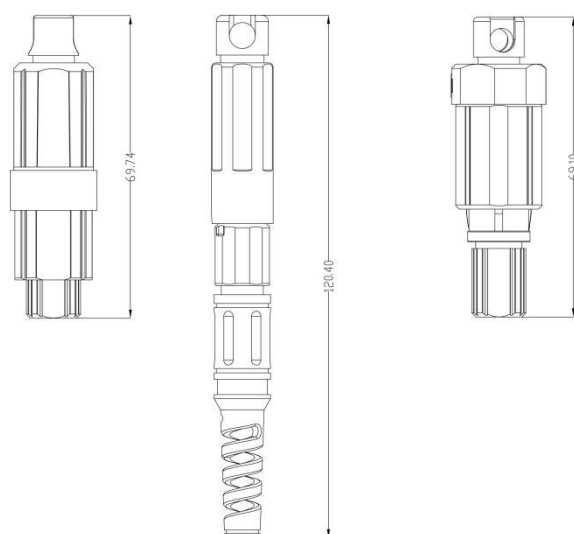
## Keyed Characteristics

- ✓ Waterproof level: P68;
- ✓ Compatible with Slim connector;
- ✓ Fully compatible with the connector systems of Furukawa slim connector;
- ✓ Field installation, easily mounted on the field optical connector, no required for any specific tools or devices;
- ✓ Low insert loss and high return loss;
- ✓ High mechanical strength performance;
- ✓ PEI material, Acid and alkali resistance, Ultraviolet resistance;
- ✓ Outdoor use, 20-year service life;
- ✓ Apply to Field Assembly Optical Connector type: Slim/APC、Slim/PC.

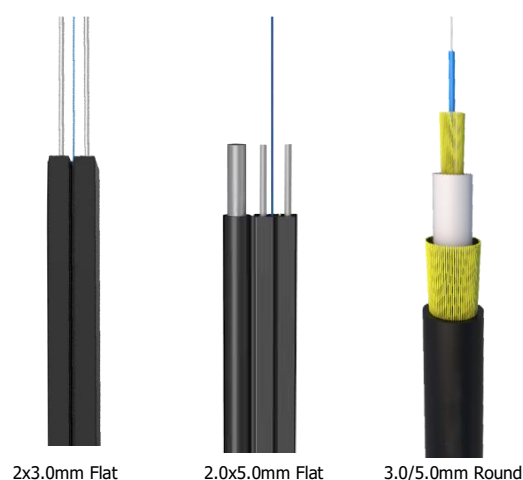
## Application

- ✓ FTTH;
- ✓ Outdoor FTTX Solution;
- ✓ Harsh Environment.

### Connector Scheme (Unit: mm)



### For Cable OD (Unit: mm)



## Standards Comply

The production offered by ARTIC FIBER are designed, manufactured and tested according to the standards as follows:

IEC Standard 61300-3-35	ARFA09 pass requirements for inspection and analysis of the end face of an optical connector
IEC61300-2	Fiber optic interconnecting devices and passive components - Basic test and measurement procedures
IEC60068-2	Basic environmental testing procedures for electric and electronic products

## Technical Parameter

Item Name	IP68 Slim Field Assembly Optical Connector
Cable OD.	For 2.0x3.0/2.0*5.0mm flat drop and 3.0/5.0mm round drop
Coating Diameter	250±5μm
Fiber Mode	Single-mode, 9/125μm, OS2
Insertion Loss	≤ 0.3dB (1310nm & 1550nm)
Return Loss	≤ -50dB for UPC, ≤ 55dB for APC
Reusable Times	>5 times
Tensile Strength Drop Flat Cable	>100 N
Tensile Strength Drop Round Cable	>100 N
On-line Tensile Strength Test (20 N)	IL ≤ 0.3dB
Mechanical Durability (500 times)	IL ≤ 0.3dB
Operating Temperature (°C)	-40 ~+85

## Applications Environment

Item	Value
Operation temperature	-40 °C~+65 °C
Installation temperature	-15 °C~+40 °C
Storage temperature	-45 °C~+75 °C

## Connected with below harden adapter

