



Reinforced
Field Connector
Fast
Compatible
AR-RFC-SCAPC-FC



① General

1.1 Scope

Field assembly water-proof connector AR-RFC-SCAPC-FC connect new subscribers to the access network. Easily plug into the pre-terminated optical termination box, no need to open the box to activate new subscribers.

1.2 Features

- Waterproof level : IP68.
- Field installation, easily mounted on the field mount optical connector, don't need any specific tools or devices.
- Low insert loss and high return loss.
- High mechanical strength performance.
- PEI material, Acid and alkali resistance, Ultraviolet resistanc.
- Outdoor use, 20-year service life.
- Apply to Field Assembly Optical Connector type:SC/APC、 SC/PC.
- Apply to outer cable diameter:2.0*5.3mm,2.0*3mm Covered wire Cable.



Connector Housing



Connector



Lockdown Cap



Cable Clamp



Rubber Ring



Connector Boot



② Technical Data

2.1 Technical Characteristics

Item	Technical parameters
A*B*C(mm)	160*103*22
Cable	3*2mm, 5.2*2mm, 2*1.6mm Fig. 8 Drop Cable
Coating Diameter	250um
Insertion Loss	Avg. $\leq 0.3\text{dB}$, Max. $\leq 0.5\text{dB}$
Return Loss	APC $\geq 50\text{dB}$
Repeatability	3 Times
Tensile Strength	$\geq 100\text{N}$
Mechanical Endurance	500 Times
Operation Time	$\leq 3\text{min}$
Working Temperature	$-5^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Protection Grade	IP68

