FICTION	CHECKED	APPROVER
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STW(SC/APC) Waterproof Connectors Specifications

Compatiable Mini(SC/APC) Connector

Compatiable Optitap Connector

1.Product description:

STW cable assemblies provide the most cost-effective method of deploying optical fiber in outside plant distribution networks at speeds significantly fast than traditional field installations.The assemblies guarantee an easy, one-step connection system with the combined push-pull insertion and nut-style mechanical latch. STW cable assembly provides quick installation solutions and has good performance on mating with Optitap and Mini(SC/APC) adapter.Cable can be amored or non-amored. STW connector Applications include connection to Remote Radio Units (RRU/RRH), FTTA,FTTH equipment and other outdoor systems.The Unique design of the housing allows it to be provided on a factory terminated and tested cable assembly or retrofitted to existing outdoor cable assemblies.

2.Specification:

Item	Parameter
Insertion loss	≤0.3dB
Return loss	Min. 60 dB
Repeatably	≤0.2dB
Interchangeability	≤0.2dB
Durability	1000 cycles
Operating Temperature	-40 ℃ ~ +85 ℃
Storage Temperature	-40 ℃ ~ +85 ℃
Installation Temperature	-40 ℃ ~ +85 ℃
Waterproofing grade	IP68 (1M,1hour)
Cable diameter range	Ø2.0mm - Ø5.0 mm;2x3mm Butterfly; 2x5mm Butterfly;4x7mm flat
Housing material	PC
Boot material	TPV

3.Standards:

Parameter		**Specification**
Pull	FRP (Pull≥50N)	IEC 61300-2-4
	Steel wire (Pull≥150N)	
	Kevlar (Pull≥80N)	
Vibration		IEC 61300-2-1
Impact		IEC 61300-2-12
Temperature		IEC 61300-2-22
Humidity		IEC 61300-2-22

4. Operation Figure

STW connect with Fastconnect(Huawei) and Optitap(Corning) Operating instruction

1.Accessories figure

2.Assembly Process

2.1STW connector converts to TW connector

①.Remove the dust cap of the STW connector

②.Remove the waterproof ring from the STW connector

③. Loosen the plastic nut counterclockwise

④. Remove the metal case

⑤.Conversion of the STW connector to the TW connector is complete

2.2.TW connect with Fastconnect(Huawei)

①.Remove the dust cap of the Black rubber cover

②.Rotate 15 degrees clockwise and pull out the dust cap of the Fast part

③.Fast part Remove the complete

④.TW connector edges align with the Fast part notch

⑤.TW connector plugs into Fast part

⑥.Clockwise Tighten the TW connector nut

⑦ Put on the dust cap and the assembly is complete

2.3.TW connect with Optitap(Corning)

①. Rotate clockwise and pull out the dust cap of the Optitap part

②. Remove the dust cap of the Black rubber cover

③. Fast part Remove the complete

④.TW connector edges align with the White inner frame K key

⑤.TW connector plugs into Optitap part

⑥.Clockwise Tighten the TW connector nut

⑦.Put on the dust cap and the assembly is complete