



NTHW820 Datasheet 01

1FO SM G657.A2 FastConnect Flat Drop Cable Pigtail

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Product Overview

NEATEL Mini SC APC Patchcord Waterproof IPSC (Mini-SC) Patch Cords is a small high waterproof SC single core waterproof connector. Built-in SC connector core, to better reduce the size of the waterproof connector. Mini SC APC Patchcord is made of special plastic shell IP68 (which is resistant to high and low temperature, acid and alkali corrosion resistance, anti-UV) and auxiliary waterproof rubber pad. Cable Diameter can be 3.0/2.0*3.0/2.0*5.0/5.0/4.0*7.0mm many different sizes. We also accept OEM Services. Insertion loss SM /APC \leq 0.3dB, Return loss SM/APC \geq 60dB. Cable outer jacket LSZH or HDPE Materials. Outer jacket color can be yellow and black. Cable can be flat bow drop cable or round cables.



Application

- 1) FTTH Application;
- 2) Fiber optic communications in harsh outdoor environments;
- 3) Outdoor communication equipment connection;
- 4) Waterproof fiber equipment SC port;
- 5) Remote wireless base station;
- 6) FTTx FTTA wiring project.

Features

- 1) Low insertion loss and added loss;
- 2) Compact size, easy to operate, durable;
- 3) Easy connection to hardened adapters on terminals or closures;
- 4) Reduce welding, connect directly to achieve interconnection;
- 5) Spiral clamping mechanism ensures long-term reliable connection;
- 6) Guide mechanism, can be blinded with one hand, simple and quick, connect and install;
- 7) Seal design: It is waterproof, dust-proof, anti-corrosion and so on;
- 8) Cost effective solution for in house termination.



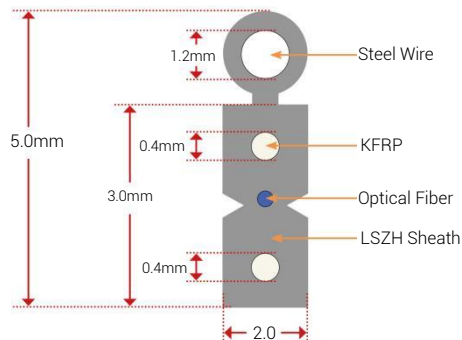
Dimension Diagram



Product Specification

Product name	Pre-assembled IP67 1FO Flat Drop External Bayonet Type SC/APC Compatible with Huawei Devices
Fiber Type	SM:G657A2
Fiber Count	1FO, Simplex
Cable OD	2.0 x 5.0mm Drop Cable with metal messenger
Outer Jacket Material	LSZH
Outer Jacket Color	Grey
Connectors	Connector A: MINI SC
Insertion Loss	SM /APC \leq 0.3dB
Return Loss	SM/APC \geq 60dB
Cable Length	1~200M or Customized
Branch Length	Customized
Working Temperature	-20°C~+70°C
Storage Temperature	-20°C~+70°C
Tensile Load (N)	Tensile between junction and fiber cable \geq 100N

Cable Structure



Cable Parameter

Cable Count (F)	Cable O.D	Weight (kg)	Tensile Strength (N)		Crush Load (N/100mm)		Minimum Bending Radius (MM)		Storage Temperature (C°)
			Short term	Long term	Short term	Long term	Short term	Long term	
1	(2.0±0.2)×(5.0±0.3)	22	400	200	2200	1000	20D	10D	-20 ~ +60
Flame retardant									IEC 60332-1-2

Optical Parameter

Item	Parameter				Reference
	Single mode		Multi mode		
	Standard	Elite	Standard	Elite	
Insertion loss (Typical)	≤0.3dB	≤0.2dB	≤0.5dB	≤0.2dB	IEC 61300-3-34
Insertion loss (Max)	≤0.75dB	≤0.75dB	≤0.75dB	≤0.35dB	
Return loss	≥50dB (PC) / ≥60dB (APC)	≥55dB (PC) / ≥65dB (APC)	≥30dB(PC)	≥30dB(PC)	≤0.3dB

Packing details - only for reference

With reel packed (Above 150m)

