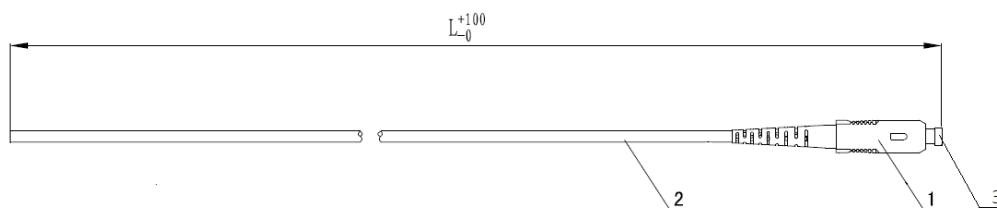


**Product Name: Outdoor Optic Fiber Drop Cable Patch Cord**

**SC/APC Connector 150MT**



**Product Detail:**

No	Name	Description	Quantity
1	Connector	Simplex SC connector, APC grade B, green body green boot	2
2	Fiber Cable	Single-Mode, G.657A1, 5.0x2.0mm,LSZH,black	1
3	Dust Cap	green dust cap on ferrule	2

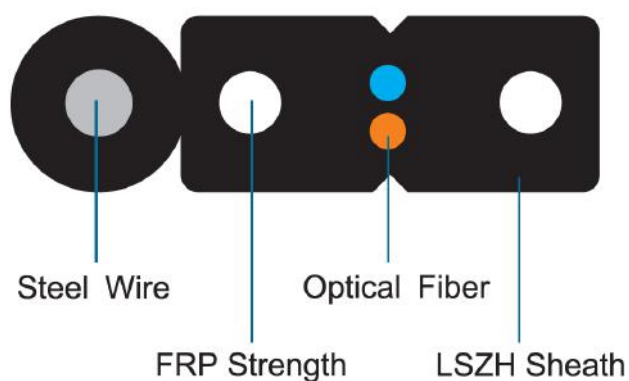
**Length (m) Tolerances (mm)**

$L \leq 10 +100/0$

$10 < L \leq 50 +200/0$

$L > 100 +500/0$

**Description of the fiber cable:**



Cable structure	
Structure	GJYXCH
Strength member	phosphated steel wire, 1.0mm±0.05mm
Fiber Type	G.657A1
Cable sheath	
Dimemnsion	5.0*2.0mm

Form	Bow-type Drop Cable
Material	LSZH
Thickness	$\geq 0.4\text{mm}$
External color	Black
Fiber sleeve	
Diameter	250 $\mu\text{m}$
Structure	Color coated fiber
Color	Blue/Blue Green
<ul style="list-style-type: none"> <li>- Supplier identification: junpu/customized</li> <li>- Cable standard regarding ITU standard: SM G.657A1 1F XXXXMeter</li> <li>- Manufacturing batch identification</li> <li>- Manufacturing date:YY/MM/DD</li> </ul> Distance between 2 markings: 1m	

## Description of the optical plugs:

### Plug description

<b>Connector type</b>	SC/APC
<b>Connector dimension</b>	IEC 61754-4
<b>Ferrule model</b>	APC(cone),2.5mm diameter, Zirconia
<b>Ferrule geometry</b>	IEC 61755-3-2
<b>Body color</b>	Green
<b>Boot color</b>	Green
<b>Dust Cap</b>	transparent

### Ferrule end face geometry

Item	Reference standard	Performance
Radius of curvature	IEC 61300-3-47	7mm to 20mm
Apex offset	IEC 61300-3-47	$\leq 50 \mu\text{m}$
Fiber undercut	IEC 61300-3-47	-100nm~+50nm
APC angle	IEC 61300-3-47	$8^\circ \pm 0.5^\circ$
Key error	IEC 61300-3-47	$\pm 0.5^\circ$

### Ferrule end face condition

#### IPC 8497 Acceptance Criteria for Physical Contact Terminations

Zone	Description	Grade A		Grade B ( default)	
		Defects	Scratches	Defects	Scratches
A	Core/Mode Field	None	None	None $\geq 1$	None $\geq 1 \mu\text{m}$

	Zone			μm	
B	Cladding Zone	None	None	None ≥ 1 μm	3 max ≥ 1 μm width
C	Epoxy (Adhesive/Coating) Zone	any	any	any	any
D	Contact (Ferrule) Zone	0 Cracks	any	0 Cracks	any

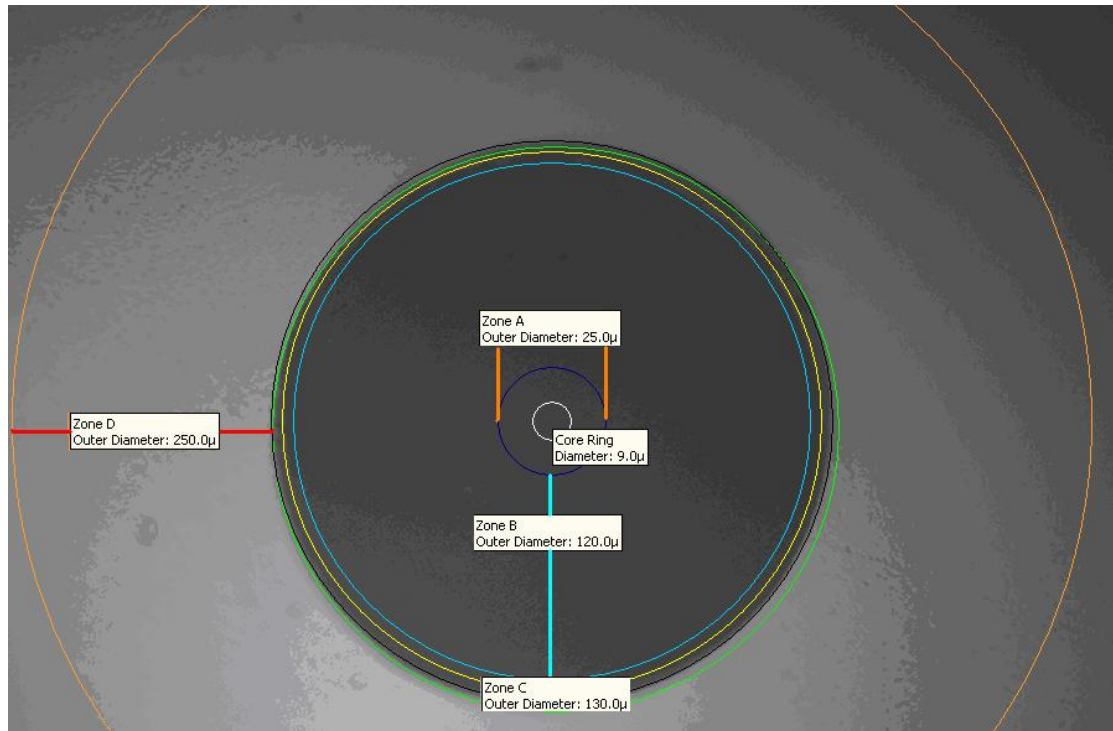



Figure 1 - Video Display of Objective Evaluation of the Terminus and Fiber End Face

### Other technical Data:

Item	Reference standard	Performance
Insertion Loss	IEC 61300-3-4	≤0.25 dB
Return Loss	IEC 61300-3-6 method1	≥45dB
Crush	IEC 60794-1-21 method E3	
Tensile	IEC 61300-2-4	
Torsion	IEC 61300-2-5	
Vibrations	IEC 61300-2-1	
Static Bending	IEC 60794-1-2 method E11A	
Mechanical endurance	IEC 61300-2-2	
Resistance to fire	UTE C 32-071	
Operating Temperature	-40°C~+70°C	

## Packaging

<p>Wrapped by a transparent sheet of polythene</p>	
<p>Carton 420*420*310</p>	