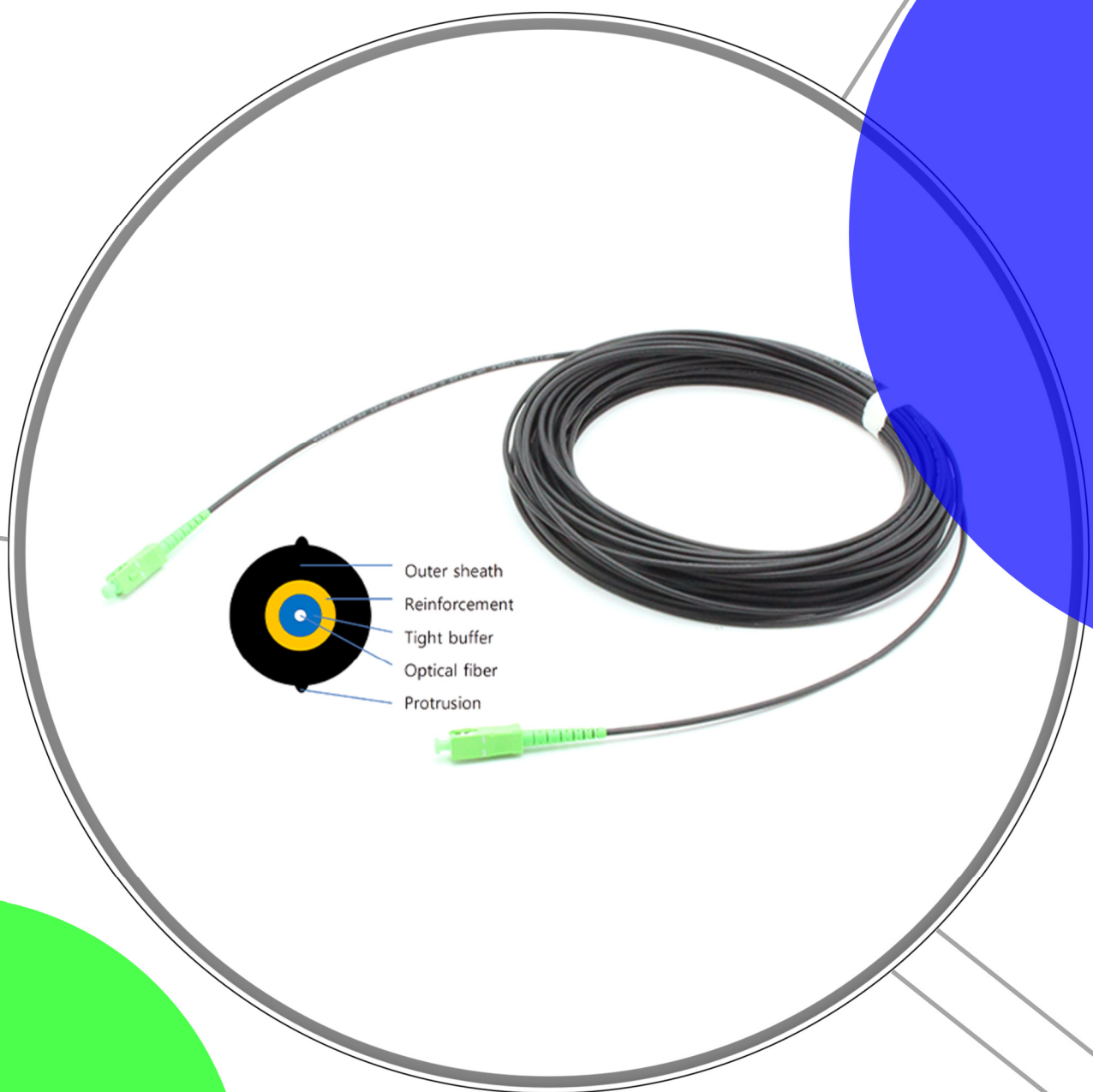


# SPECIFICATION

## 3.0MM ROUND FTTH DROP CABLE TPU JACKET PATCH CORD&PIGTAILS





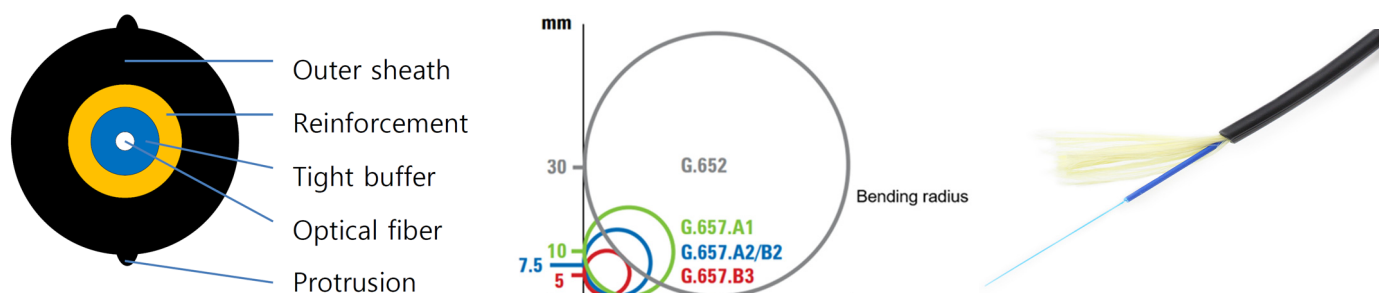
## 3.0mm Round FTTH Drop cable TPU Jacket Patch cord&Pigtails

### Description

It's a kind of patch cord/Pigtail which assembly with **3.0mm Round high tensile FTTH Drop Cable with TPU Jacket**. With easy accessibility to the fiber and simple installation, The TPU FTTH Drop cable can be directly connected to the homes. This is a last cable in FTTH project. Used widely between Fact plate, terminal box between ONU/ONT.

### Cable structure

3.0mm Round FTTH Drop Cable with TPU Jacket use Simplex round structure, A 900um tight buffer placed inside the cable. Then the cable is completed with Aramid yarn and TPU sheath. The TPU cable jacket has excellent physical and mechanical properties, high strength, high elasticity, high wear resistance, Excellent chemical resistance, resistant to erosion by acids, alkalis, and other chemicals. With small diameter, soft and bendable characteristics, it's easy to deploy and maintenance. It's the best choice for FTTX project.



### Cable Technical Data

Number of fiber	1F	
Fiber	Type	G657B3
	color	Blue
Tight buffer or Semi-tight buffer	material	LSZH
	color	Blue
	diameter	0.9±0.05mm
strength member	material	Aramid yarn
Outer sheath	material	TPU
	color	Black
	OD	2.9±0.1mm
Cable weight(kg/km)	7-8 kg/km	
Span	80m	
Tensile load (N)	Long term: 260N & Short term:800N	
Crush resistance (N/10 cm)	1000	
Operation temperature range	-45 ~ +85°C	
Installation temperature range	-10 ~ +60°C	
Storage temperature range	-45 ~ +85°C	

### Connector's Standard:

SC: TIA/EIA, FOCIS3, GR-326.NTT-SC  
IEC61754-4 and JIS C5973.



High quality SM ceramic ferrule,  
Good concentricity<0.5um



## 3.0mm Round FTTH Drop cable TPU Jacket Patch cord&Pigtails

### Optical Specifications

Connector	SC	Polish	APC
Fiber Mode	9/125μm, G657A2	Jacket Color	Black/White/Grey/Ivory
Cable OD	3.0mm	Wavelength	SM:1310/1550nm
Cable Structure	Simplex	Jacket Material	TPU
Insertion loss	≤0.3dB(IEC Grade C) ≤0.1dB(IEC Grade B)	Crush Resistance (N/100mm)	Long term 100; short term:500
Return loss	SM APC ≥ 60dB(min)	Interchangeability &Vibration	≤0.2dB
Tensile Strength (N)	Long term 200; short term:450	Operation&Storage temperature	-40~85°C

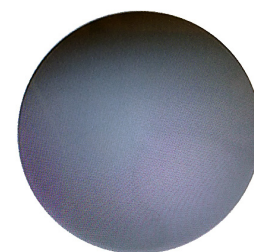
### Polishing Method



APC( 8 Angled Polished connector)

### End-face Quality (SM)

Zone	Range (μm)	Scratches	Defects	Reference
A: Core	0 to 25	None	None	IEC 61300-3-35:2015
B: Cladding	25 to 115	None	None	
C: Adhesive	115 to 135	None	None	
D: Contact	135 to 250	None	None	
E: Rest of ferrule		None	None	



SM APC

### Length Tolerance

Overall Length(L) (m)	length of tolerance (cm)
0<L<1	+5/-0
1<L<10	+10/-0
10<L<40	+15/-0
40<L	+0.5% x L/-0

## Packaging

This easily taken and well-protected fiber patch cable package has been labelled and marked by OMC as default . Which carton to be used depends on goods Qty . Packing can be customized.



1,PE bag or PE Wrap or Paper Drum

2, Paper Carton

3,Fuming-free Pallet

## OEM Services

- 1.Cable color, printing word, material of cable jacket, connector's color
- 2.OEM Label, Identify ring, cable's label, box, shipping marks
- 3.Different quality Level.

## Application

FTTX Access Networks  
Fiber Optic Communication System  
FTTH (Fiber to The Home) Indoor Cabling project  
Optical fiber connected and transmitted equipment

## Ideal Solution Drop cable Solution for FTTH Project

3.0mm Round FTTH Drop Cable with TPU Jacket has excellent physical and mechanical properties, high strength, high elasticity, high wear resistance, Excellent chemical resistance, resistant to erosion by acids, alkalis, and other chemicals. With small diameter, soft and bendable characteristics, it's easy to deploy and maintenance. It's the best choice for In-door and outdoor FTTH project.

