

Description

It's a kind of patch cord/Pigtail which assembly with **4.8mm Round high tensile FTTH Drop Cable with PVC Jacket**. With easy accessibility to the fiber and simple installation, The 4.8mm 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.



Patch cord Optical Specifications

Connector	SC	Polish	APC
Fiber Mode	9/125μm, G657A2	Jacket Color	Black
Cable OD	4.8mm	Wavelength	SM:1310/1550nm
Cable Structure	Simplex	Jacket Material	PVC
Insertion loss	≤0.3dB(Max based on IEC Grade C)	Return loss	SM APC ≥ 60dB(min)

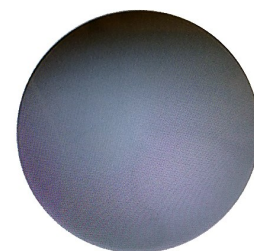
Polishing Method



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

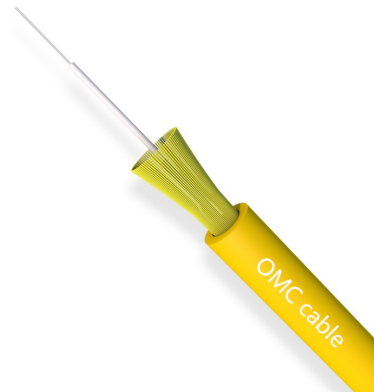
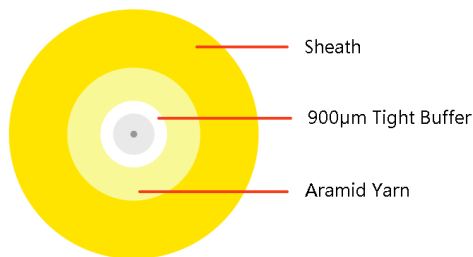
Length Tolerance

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

4.8mm PVC Round FTTH Drop cable

4.8mm Round FTTH Drop Cable with PVC Jacket use Simplex round structure, A 900um tight buffer placed inside the cable. Then the cable is completed with Aramid yarn and PVC sheath. The PVC 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



Item	Contents	Unit	Value
Optical Fiber	model number	/	G657A2
	number	/	1
	Color	/	Natural
Tight buffer	color	/	White
	material	/	PVC
	diameter	mm	0.9±0.05
Strength member	Material	1	aramid fiber
Outer jacket	Diameter	mm	4.8±0.3
	Material	/	PVC
	Color	/	black
Cable attenuation		dB/km	≦ 0.4 at 1310nm, ≦ 0.3 at 1550nm

Cable Mechanical & Environmental Performance

Item	Contents	Value
Max Tension	(Long term/ Short term N)	150/450
Max Crushing Resistance	(Long term/ Short term (N/100))	500/1000
Min. bending radius	Installation	20 x cable diameter
	Operation	10 x cable diameter
Temperature range	Operation	-40°C ~ +70°C
	Installation	-20°C ~ +60°C
	Storage/transportation	-40°C ~ +70°C