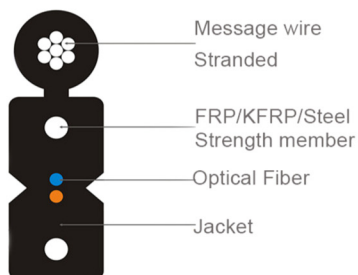
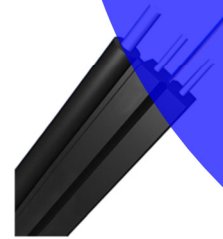
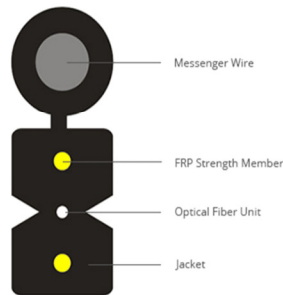


SPECIFICATION

1-12C SELF-SUPPORTING AERIAL FTTH DROP CABLE -SC&LC PATCH CORD/PIGTAIL





1-12 Cores Self-supporting Aerial FTTH Drop Cable Patch cord/Pigtail-SC&LC

Description

It's a kind of patch cord/Pigtail but assembly with **Fig 8 Self-supporting Aerial FTTH Drop Cable**. With easy accessibility to the fiber and simple installation, **Fig 8 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.

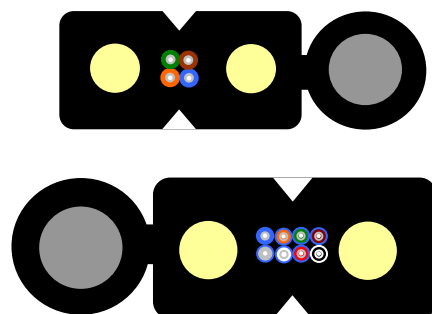
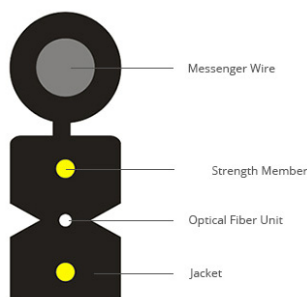
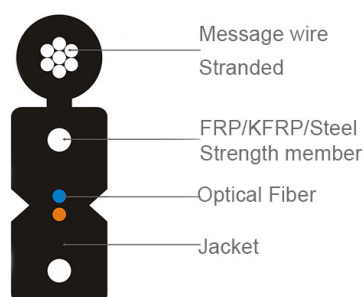
Cable structure

FTTH outdoor Aerial Drop Cable uses Fig 8 flat structure, whose optical fiber unit is positioned in the center. One Message wire, Two parallel Fiber FRP or KFRP or Steel wire strength members are placed at the two sides. Then, the cable is completed with LSZH sheath. **Fig 8 FTTH Drop cable** has a much greater bandwidth to carry data and less susceptible to interference than common indoor fiber cables. With small diameter, water-resistant, soft and bendable characteristics, it's easy to deploy and maintenance.



Cable Technical Data

Fiber Count	1F	2F	4F	6F	8F/12F
Message Wire	Solid Steel wire/ Stranded Steel wire/FRP/KFRP 1.0mm or (7*0.4mm)-1.2mm				
Strength member	FRP/KFRP/Solid Steel wire 0.45-0.52mm				
Cable diameter(mm) Approx.	2.0*5.0(±0.1)	2.0*5.0(±0.1)	2.0*5.2(±0.1)	2.2*6.0(±0.1)	2.8*6.3(±0.1)
Cable weight(kg/km) Approx	18.5/20	19/20.5	20/21.5	21/22.5	34/35
Tensile Strength Short/ Long Term(N)	600/300 for Steel wire strength member+FRP Strength member 400/200 for FRP wire strength member+FRP Strength member				
Crush resistance short/ long term (N/100mm)	1000/500				
Operating temperature range(°C)	-40°C ~+70°C				





1-12 Cores Self-supporting Aerial FTTH Drop Cable Patch cord/Pigtail-SC&LC

Connector's Standard:

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

LC: TIA/EIA, FOCIS10, GR-326 EIA/TIA-
604-10, IEC61754-20 and JIS C5973.



High quality SM ceramic ferrule,
Good concentricity<0.5um

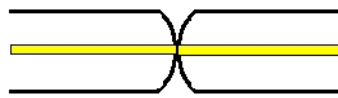
Optical performance.

Test Item		Test Condition	Value(dB)	
			UPC	APC
Optical Performance	Insertion Loss	1310nm LED light source	<0.3	<0.3
	Return Loss	1310nm LED light source	>50	>60
Environmental Performance (Max. Insertion Loss change)	High temperature	+85°C168 hours	<0.2	
	Temperature Cycle	-40-+75°C, 21 Cycles 168 hours	<0.2	
	Humidity Aging	+75°C, 95%R.H,168 hours	<0.2	
	Humidity/	-10°C-+65°C, 90%~100%RH, 14	<0.2	
	Condensation Cycling	cycles 168 hours		
Mechanical Performance (Max. Insertion Loss change)	Vibration	10-55Hz, 1.5mm(p-p)	<0.2	
	Flex	0.9kg,-90°~+90° repeat for 100 cycles	<0.2	
	Torsion	1.35kg,90°~+90° ,10times	<0.2	
	Withstand tensile	90N,10min	<0.2	
	Drop	H=1.5M,Total of 8 drops	<0.2	
	Exchangeability	Randomly	<0.2	
	Durability	500 times	<0.2	

Polishing Method

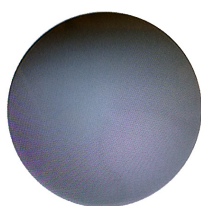


APC(8 Angled Polished connector)



UPC(Ultra-Polished connector)

End-face Quality (SM)



SM APC



SM UPC

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	

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,Fiilm warp&PE Heat Sealing

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

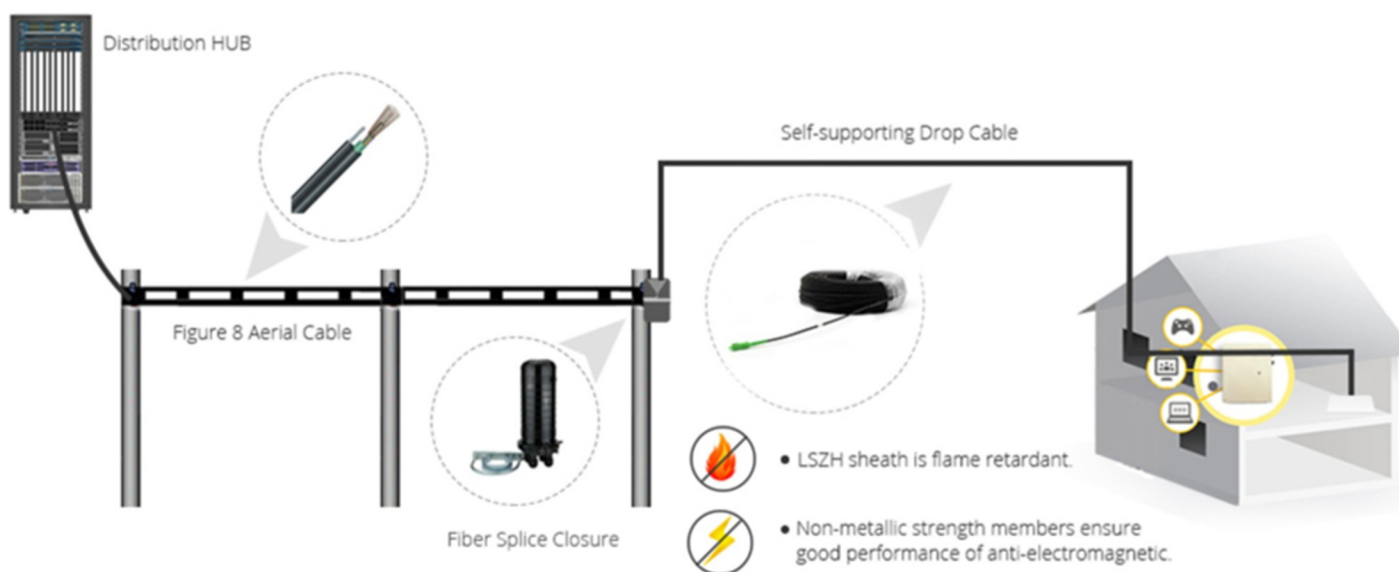
FTTX Access Networks

FTTH (Fiber to The Home) Outdoor Project

Optical fiber connected and transmitted equipment

Ideal Solution for FTTH Outdoor Cabling&Aerial cabling Project

Fig 8 Aerial FTTH Drop Patch Cord/Pigtail is widely used in fiber to the home (FTTH) Project., which can directly connect the High Speed PON from the Fiber access terminal box to the end users.With simple structure and light weight, Self-supporting FTTH drop cable is highly recommended for Fiber optic connection of outdoor and indoor Fast FTTH cabling deployment.





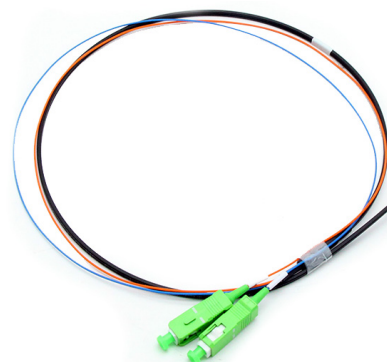
1-12 Cores Self-supporting Aerial FTTH Drop Cable Patch cord/Pigtail-SC&LC

Products Family

1, 1C Cable assemblies



4, 2C Cable assemblies (fanout 0.9mm)



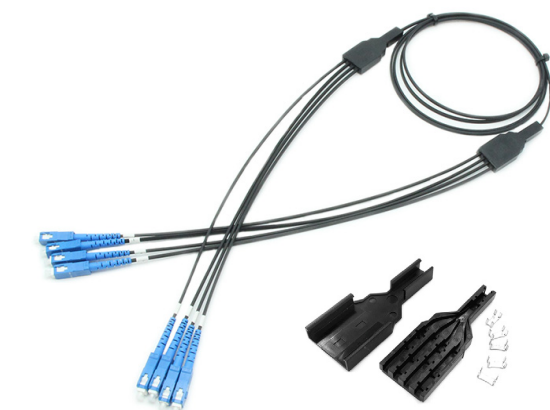
2, 2C Cable Assemblies (fanout 2*3mm)



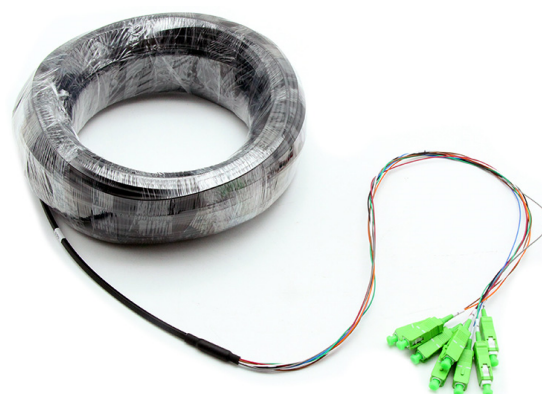
5, 4C Cable assemblies (fanout 0.9mm)



3, 4C Cable Assemblies (fanout 2*3mm)



6, 8C Cable assemblies (fanout 0.9mm)



Order Instruction

Products	Fiber Count	Fiber Mode	Connector A	Connector B	Strength Member	Color	length
C Drop cable patch cord and pigtail	1- 1 core	1 - G657A1	A LC UPC	0 Open(pigtail)	1 2 x FRP Wire	A- Blue	50=50M
	2 -2 cores	2- G657A2/B2	B SC UPC	A LC UPC	2 2 x KFRP Wire	B- Orange	
	4-4 cores	3 - G657B3	C LC APC	B SC UPC	3 2 x Steel Wire	C- Green	
	6-6 cores	4-OM1	D SC APC	C LC APC	A 1 x Solid Steel Wire+2 x FRP Wire	D- Brown	
	8-8 cores	5-OM2	E FC UPC	D SC APC	B 1 x stranded Steel Wire+2 x FRP Wire	E- Grey	
	T-12cores	6-OM3	F FC APC	E FC UPC	C 1 x Solid Steel Wire+2 x KFRP Wire	F- White	
		7-OM4	G SC APC+SC UPC	F FC APC	D 1 x stranded Steel Wire+2 x KFRP Wire	G- Red	
		8-OM5	H SC APC+LC UPC	G SC APC+SC UPC	E 1 x Solid Steel Wire+2 x Solid Steel Wire	H- Black	
			I SC APC+LC APC	H SC APC+LC UPC	F 1 x stranded Steel Wire+2 x Solid Steel Wire	I- Yellow	
			J SC APC+SC APC	I SC APC+LC APC		J- Purple	
			K SC UPC+LC UPC	J SC APC+SC APC		K- Pink	
			L SC UPC+LC APC	K SC UPC+LC UPC		L- Aqua	
			M SC UPC+SC APC	L SC UPC+LC APC		M-Magenta	
			O SC UPC+SC UPC	M SC UPC+SC APC			
			P LC UPC +LC UPC	O SC UPC+SC UPC			
			Q LC UPC +LC APC	P LC UPC +LC UPC			
				Q LC UPC +LC APC			