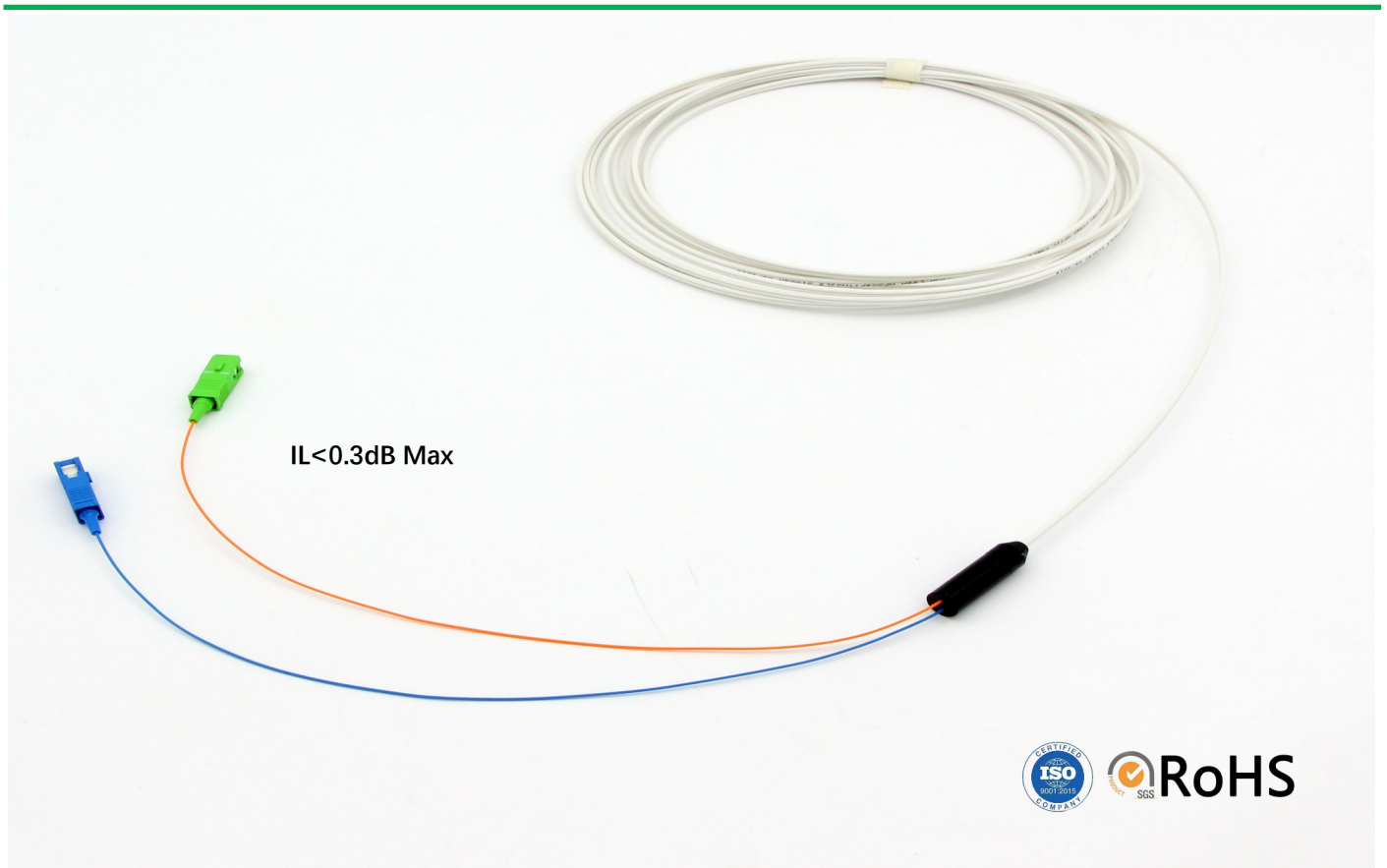


DATASHEET

2 cores SC/APC +SC/UPC G657A1 FTTH Drop Cable Pigtail



OMC INDUSTRY CO.LIMITED



2 cores SC/APC +SC/UPC G657A1 FTTH Drop Cable Pigtail

Introduction

It's a kind of Pigtail but assembly with FTTH Drop Cable. This is a last cable in FTTH project. Used widely between Face plate, terminal box, ONU etc. With easy accessibility to the fiber and simple installation, FTTH cable can be directly connected to the homes. It is suitable for connecting with communication equipment and used as access building cable in premises distribution system. The optical fibers are positioned in the center of cable and two parallel Fiber Reinforce Plastic (FRP) strength members are placed at the two sides. Then, the cable is completed with LSZH sheath. Also, customers can specify your required connectors.

Cable Construction



Fiber Count	2F G657A1
Strength member	FRP
	0.45-0.52mm
Cable diameter(mm) Approx.	2.0(±0.1)*3.0(±0.2)
Cable Material	LSZH White
Tensile Strength Short/ Long Term (N)	80/40
Crush resistance short/long term (N/100mm)	1000/500
Operating temperature range(° C)	-40° C ~+70° C

Connector's Standard:

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



Fanout kit

Special design for 2x3mm cable in and 0.9mm cable out



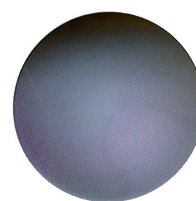


Optical specification:

Test Item		Test Condition	Value(dB)
			APC
Optical Performance	Insertion Loss	1310&1550nm IL&RL tester	<0.3
	Return Loss	1310&1550nm IL&RL tester	> 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/Condensation Cycling	-10°C~+65°C, 90%~100%RH, 14 cycles 168 hours	<0.2
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

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

Feature:

Good mechanical and environmental characteristic
 Simple structure, light weight and high practicability
 Low smoke zero halogen and flame retardant sheath
 Novel flute design, easily strip and splice, simple installation and maintenance
 Two parallel FRP strength members ensure good performance of anti-electromagnetic and crush resistance
 Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property



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Ideal Using of Butterfly Flat Indoor FTTH Drop Cable

Butterfly Flat Indoor Drop Cable is widely used in fiber to the home (FTTH) network system, which can directly connect the communication line from the LAN to the end users. Butterfly flat drop cable uses special low-bend-sensitivity fiber to provide high bandwidth and excellent communication transmission, it's very suitable for indoor cabling, end users directly cabling, and access network.

