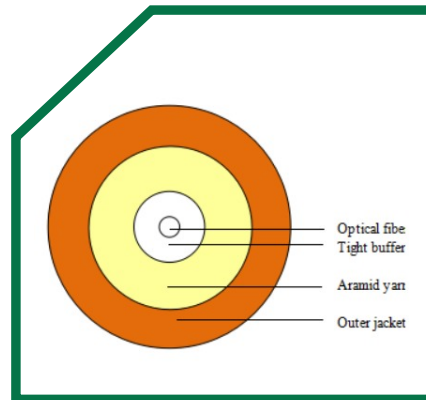
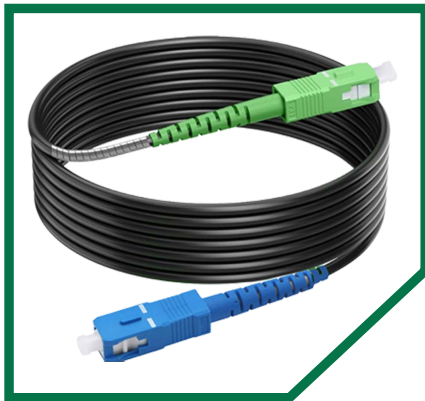




PLANET GJFJH Outdoor Simplex Drop Fiber Cable Assembly
G.657.A1/A2 OS2 Single Mode 9/125μm – SC/UPC to SC/APC
Product Description

The PLANET GJFJH Outdoor Simplex Fiber Patch Cord is a ruggedized single-mode optical Fiber assembly designed for outdoor and harsh environmental applications. It uses a 9/125μm OS2 single mode tight-buffered Fiber cable with a 5mm outdoor protective jacket, providing excellent mechanical protection, low insertion loss, and high reliability. The cable structure combines a tight-buffered optical Fiber, aramid yarn reinforcement, and an outdoor UV-resistant jacket to ensure stable optical performance in FTTH, FTTx, telecom, security, and industrial networks.

Product Construction

Item	Specification
Fiber Type	Single Mode OS2
Fiber Standard	ITU-T G.657.A1 / G.652.D
Fiber Count	1 Fiber (Simplex)
Cable Structure	Tight Buffered
Cable Diameter	5.0 mm $\pm$ 0.2 mm
Jacket Material	LSZH / UV Resistant Outdoor Jacket
Strength Member	Aramid Yarn (Kevlar)
Armouring	Optional Metal / FRP Reinforcement
Colour	Black
Connector Type	SC/UPC - SC/APC
Cable Length	50m / 75m / 100m

Optical Performance

Parameter	Specification
Operating Wavelength	1310 / 1550 nm
Insertion Loss (Typical)	$\leq$ 0.20 dB
Maximum Insertion Loss	$\leq$ 0.30 dB
Return Loss SC/APC	$\geq$ 60 dB
Return Loss SC/UPC	$\geq$ 50 dB
Fiber Attenuation @1310nm	$\leq$ 0.35 dB/km
Fiber Attenuation @1550nm	$\leq$ 0.22 dB/km

Mechanical Characteristics

Parameter	Specification
Tensile Strength (Installation)	≥600 N
Tensile Strength (Long Term)	≥300 N
Crush Resistance	≥1000 N/100mm
Minimum Bend Radius (Installation)	20 × Cable Diameter
Minimum Bend Radius (Operation)	10 × Cable Diameter
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +70°C
UV Resistance	Yes
Water Resistance	Yes

Connector Specifications

SC Connector

Parameter	SC/UPC	SC/APC
Polish Type	UPC	APC
Ferrule Material	Ceramic Zirconia	
Fiber Alignment	PC Contact	
Housing Material	Engineering Plastic	
Durability	≥1000 mating cycles	
Operating Temperature	-40°C ~ +75°C	

Applications

- FTTH Fiber Drop Connection
- Outdoor Fiber Distribution
- FTTx Access Networks
- GPON / XGS-PON Networks
- CCTV Fiber Transmission
- Industrial Communication Systems
- Telecom Backbone Links
- Harsh Environment Installations

Standards Compliance

Standard	Compliance
ITU-T G.657.A1	✓
ITU-T G.652.D	✓
IEC 60794-2	✓
IEC 61754-4 (SC Connector)	✓
IEC 61300	✓
RoHS	✓
ISO 9001 Manufactured	✓

Available Lengths

Model	Length
PL-PC22SSAUO30	30 Meter
PL-PC22SSAUO50	50 Meter
PL-PC22SSAUO75	75 Meter
PL-PC22SSAUO100	100 Meter

Packaging

- Individually packed in protective bag
- Cable length identification label
- Test report included
- 100% factory optical tested