PN: FLPCG72SX-MPO-000-SCA-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

8F MPO/APC to SC/APC Patch Cord SM
OS2 – G.657A2 – Type B

MPO/APC to 8×SC/APC Breakout Patch Cord

Product Description

The MPO/APC to 8×SC/APC Breakout Patch Cord is designed for high-density optical cabling systems, enabling the transition from MPO backbone connectivity to individual SC/APC interfaces. Manufactured using bend-insensitive ITU-T G.657.A2 single-mode fiber, the assembly provides excellent optical performance, low insertion loss, and high reliability for FTTH, GPON/XGS-PON, ODN, and central office applications.

Each assembly is factory terminated, 100% insertion loss tested, and inspected to ensure compliance with IEC, Telcordia, and RoHS requirements.

Product Features

- MPO/APC Female to 8 × SC/APC
- 8 Fiber Breakout Assembly
- OS2 Single Mode (9/125 µm)
- ITU-T G.657.A2 Bend Insensitive Fiber
- Type B Polarity
- Low Insertion Loss
- High Return Loss (APC Polish)
- LSZH Flame Retardant Jacket
- Factory Terminated & Tested
- 100% Optical Inspection
- RoHS Compliant

Product Specifications

Item	Specification
Product Type	MPO/APC to 8×SC/APC Breakout Patch Cord
Connector A	MPO/APC Female
Connector B	8 × SC/APC
Fiber Count	8 Fibers
Fiber Type	Single Mode OS2
Fiber Standard	ITU-T G.657.A2
Core / Cladding	9/125 μm
Polarity	Type B
Connector Polish	APC
Jacket Material	LSZH
Jacket Color	Yellow
Cable Diameter	3.0 mm
Fan-out Diameter	2.0 mm
Fan-out Length	0.5 m (Typical)
Operating Wavelength	1310 / 1550 nm
Tensile Strength	≥100 N
Minimum Bend Radius	10× Cable Diameter

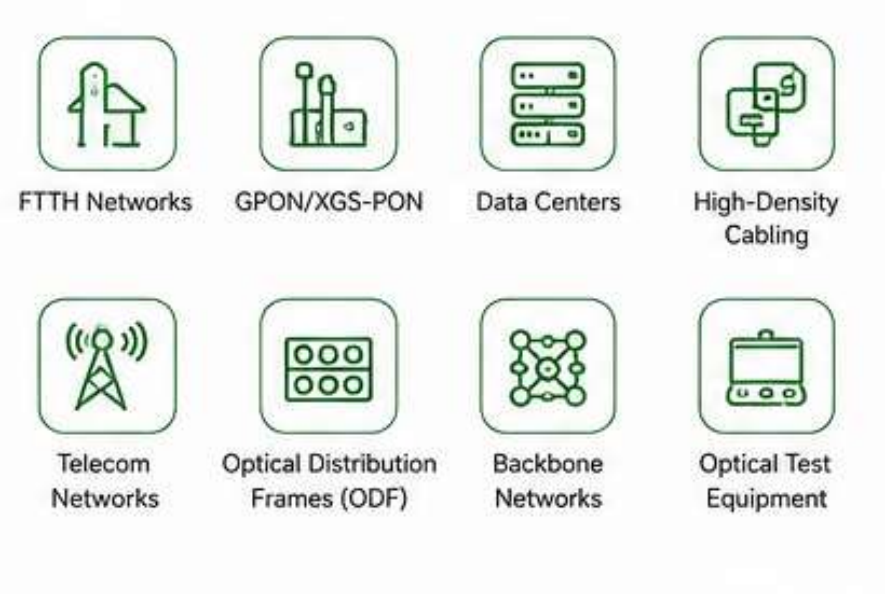
Optical Performance

Parameter	Typical	Maximum
MPO Insertion Loss	0.20 dB	≤0.35 dB
SC/APC Insertion Loss	0.15 dB	≤0.25 dB
Return Loss (APC)	≥65 dB	≥60 dB
Repeatability	≤0.20 dB	
Durability	500 Mating Cycles	

Environmental Performance

Parameter	Value
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	0–95%

Applications



Standards

- ITU-T G.657.A2
- IEC 61754
- IEC 61300
- IEC 61753
- IEC 60794
- Telcordia GR-326-CORE
- RoHS