Fiber Drop Cable SC APC to SC APC

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Variants

50M 200M 30M 75M 125M 100M 150M

Details

PRE-CONNECTORIZED FTTH DROP CABLE

1 Core • G.657A1 Bend-Insensitive Fiber • SC/APC Both Ends • Steel Reinforced • Available from 30M to 300M

The **FTTH Drop Cable SC/APC to SC/APC** is a factory-terminated fiber optic drop cable designed for **FTTH, GPON, XGSPON and FTTx networks**. It uses **G.657A1 bend-insensitive single-mode fiber**, steel reinforcement members and factory-installed **SC/APC connectors on both ends** for fast installation, low insertion loss and reliable optical connectivity.

FIBER TYPE

G.657A1

CORE COUNT

1 Core

CONNECTOR

SC/APC

AVAILABLE LENGTH

30M–300M

Key Features

? G.657A1 bend-insensitive single-mode fiber

? SC/APC connector on both cable ends

? Factory-terminated and ready for installation

? Steel-reinforced drop cable construction

? Low insertion loss and high return loss

? Multiple ready-made length options

Connector Configuration

CONNECTOR A

SC/APC

Green Connector

CONNECTOR B

SC/APC

Green Connector

Cable Structure

Parameter	Details
Fiber Type	G.657A1 Bend-Insensitive Fiber
Number of Fibers	1 Core
Strength Member	2 × 0.45 mm Steel Wires
Messenger Wire	1.0 mm Galvanized Steel (7 × 0.33 mm Strands)
Cable Dimension	2.0 × 5.0 mm
Cable Weight	1 kg/km (±5%)
Cable Print	D-TECH / Production Date

Mechanical Performance

SHORT-TERM TENSILE

600 N

LONG-TERM TENSILE

300 N

SHORT-TERM CRUSH

2200 N

LONG-TERM CRUSH

1000 N

Parameter	Value
Minimum Bend Radius – Static	20 mm
Minimum Bend Radius – Dynamic	40 mm
Installation Temperature	-10°C to +40°C
Operating Temperature	-40°C to +60°C

Connector Specifications

Parameter	Specification
Connector Type	**SC/APC to SC/APC**
Fiber Mode	Single Mode G.657A1
Cord Type	Simplex
Insertion Loss	**? 0.3 dB**
Return Loss	**? 55 dB**

Available Length Options

30M | 50M | 75M | 100M | 150M | 200M | 300M

Applications

- FTTH Customer Connection
- GPON Networks
- XGSPON Networks
- ONU Installation
- ISP Last-Mile Deployment
- Apartment & Building Networks

D-TECH Quality Assurance

Each cable is factory-terminated with **SC/APC connectors on both ends** and tested for insertion loss and return loss before supply, helping provide faster installation and consistent FTTH network performance.

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