

# FTTH Outdoor Pre-terminated Patch Cable

## Overview

The FTTH outdoor Pre-terminated patch cable comes with FTTH Flat Aerial Self-Supported Dropcable. It can be installed conveniently and operated simply. EFON can supply FTTH outdoor pre-terminated patch cables with SC/FC/LC connectors.



## Features

- Low insertion loss, high return loss;
- High environmental stability;
- Available FTTH Drop cable diameters:  $\Phi 2.0 \times 5.0\text{mm}$ ;  $\Phi 2.0 \times 5.2\text{mm}$ ;
- FTTH Cable Self-Supported member: 1.0; 1.2 mm Steel wire.
- Connector Types: LC, FC, SC
- Fiber Mode: Single mode G652D, G.657A1, G657A2, G657B3
- Ferrule Interface Type: UPC to UPC, APC to APC, APC to UPC
- Good exchangeability; Good Durability
- High temperature stability
- Compliant to IEC, TIA/EIA, NTT and JIS specifications



## Technical Specifications

Parameters	SC/PC	SC/UPC	SC/APC
Working Temperature (°C)	-25 — +75		
Insertion Loss (dB)	≤0.25	≤0.25	≤0.25
Return Loss (dB)	≥45	≥50	≥60
Durability(Times)	≥600	≥600	≥600
Tensile strength(N)	≥55	≥55	≥55

## Catalog Number

Part# = S — 2 — 7U — 8U — 3 — W

### CABLE TYPE

G1Y=FTTH Drop Cable With Messenger 1.0mm  
G2Y=FTTH Drop Cable With Messenger 1.2mm

### CORE SIZE

1=G652D  
3=G657A2  
4=G657B3  
5=50/125um  
6=62.5/125um  
7=OM3  
8=OM4  
O=Other

### CONNECTORS

7=FC/PC  
7U=FC/UPC  
7A=FC/APC  
8=ST/PC  
8U=ST/UPC  
L=LC/PC  
LU=LC/UPC  
LA=LC/APC  
Y=SC/PC  
YU=SC/UPC  
YA=SC/APC

LENGTH IN METERS

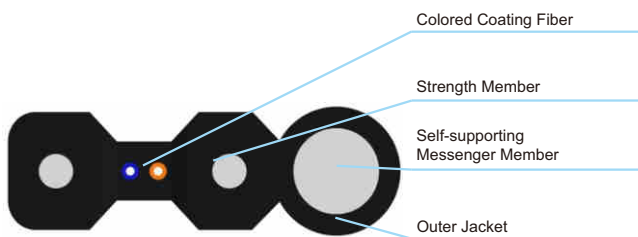
### Color

W=White  
B=Black

## Self-Supported Flat Drop Cable



Temperature Range  
 Operating : -40°C to +70°C  
 Storage : -50°C to +70°C  
 Installation : -30°C to +70°C  
 Bending Radius:  
 Static 15D  
 Dynamic 30D



## Description

Self-supported flat drop cable. The cable cross section is a fig.8 made a steel wire strength member.

## Product Construction

**Fiber:**  
250μm color fiber  
**Strength Member:**  
Fiber glass reinforced plastic (FRP) or Steel Wire.  
**Self-supported Member:**  
Steel Wire  
**Outer Jacket:**  
UV and Flame resistant LSZH

## Features

Compact, soft, flexible, easy to install.

## Applications

Used in access network or as access cable from outdoor to indoor in customer premises network.  
 Used as access building cable in premises distribution system, especially used in indoor or outdoor aerial access cabling.

## Cable Structure

## Optical Characteristics

Fiber Type	Attenuation		Overfilled Launch Bandwidth	Effective Modal Bandwidth	10Gb/s Ethernet link length	Min Bending Radius
	1310/1550nm	850/1300nm				
<b>Conditions</b>			850/1300nm	850nm	850nm	
<b>Unit</b>	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22					16
G657A1	0.36/0.22					10
G657A2	0.36/0.22					7.5
50/125		3.0/1.0	≥500/500			30
62.2/125		3.0/1.0	≥200/500			30
OM3		3.0/1.0	≥1500/500	≥2000	≥300	30
OM4		3.0/1.0	≥3500/500	≥4700	≥550	30
BI-OM3		3.0/1.0	≥1500/500	≥2000	≥300	7.5
BI-OM4		3.0/1.0	≥3500/500	≥4700	≥550	7.5

## Structure and Technical Specifications

Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N/100mm)		Crush Resistance (N/100mm)	
			Short Term	Long Term	Short Term	Long Term
1~4	5.2×2.0	18	600	300	2200	1000
6~12	3.0×9.0	27	1200	600	1100	500

**Note :** This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.  
 The cable core use the colored coating fiber of 250μm.