

# IN/OUTDOOR CABLE/ SS FLAT

## Self-Supporting Flat Cable

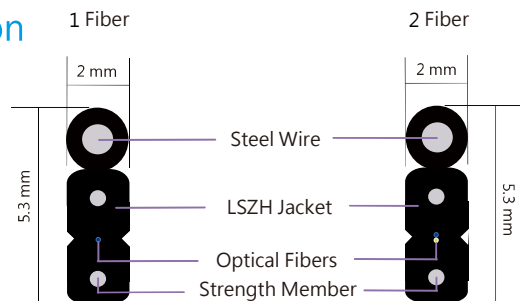
\* Content is subject to change without notice.

# IN/OUTDOOR CABLE/ SS FLAT

## Product Information

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### Construction



### Description

The Self-supporting Flat cables are used in in/outdoor FTTH cabling and outside building installation applications. Fiber counts of these cables are 1 or 2 fibers. These cables consist of FRP and steel wire as the strength members. Outer sheath is LSZH material.

### Specification

Fiber Count	1~12
Strength Member	FRP
Sheath	LSZH Jacket
Cable Diameter(approx)	5.3 x 2.0 mm
Cable Weight(approx)	18 kg/km
Max. Pulling Tension	300 N
Min. Bend Radius	Loaded: 20 times of cable diameter
	Unloaded: 10 times of cable diameter

\* LSZH: Low Smoke Zero Halogen.

### Application

- FTTH in/outdoor use
- In/outdoor horizontal
- In/outdoor access

### Features and Benefits

- Small diameter and light weight
- Cost-effective solution
- Compact cable size and high quality
- Small radius provide easy installation

### Color Code

1 Black      2 White

### Fiber Specification

Fiber Attenuation	1310nm	$\leq 0.4$ dB/km
	Singlemode 1550nm	$\leq 0.3$ dB/km
Mode-Field Diameter (SM) G.652D	1310nm:	9.0 ~ 9.4 $\mu$ m, $\pm 0.4\mu$ m
	1550nm:	10.0 ~ 10.7 $\mu$ m $\pm 0.7\mu$ m
G.657D	1310nm:	8.6 ~ 9.4 $\mu$ m, $\pm 0.4\mu$ m
	1550nm:	9.6 ~ 10.7 $\mu$ m $\pm 0.7\mu$ m

### Mechanical Specification (added attenuation: dB)

Tensile and Bending Test	TIA/EIA-455-33	Singlemode $\leq 0.2$
Crush Resistance	TIA/EIA-455-41	Singlemode $\leq 0.2$
Cyclic Flexing	TIA/EIA-455-104	Singlemode $\leq 0.2$
Impact Resistance	TIA/EIA-455-25	Singlemode $\leq 0.2$
Cable Twist	TIA/EIA-455-85	Singlemode $\leq 0.2$

### Environmental Condition

Temperature Range	Storage	-20°C to + 60°C
	Operating	-20°C to + 60°C
	Installation	-10 °C to + 50°C

### Ordering Information

Cable Type	SS Flat Cable
Fiber Count	1~12
Fiber Type	Singlemode: G.652D, G.657A
Cable Outside Dia.	5.3 $\pm$ 0.2 x 2.0 $\pm$ 0.2 mm
Jacket Type	LSZH Jacket



UFO COMMUNICATION

+886 2 26570589  
www.ufoc.com.tw