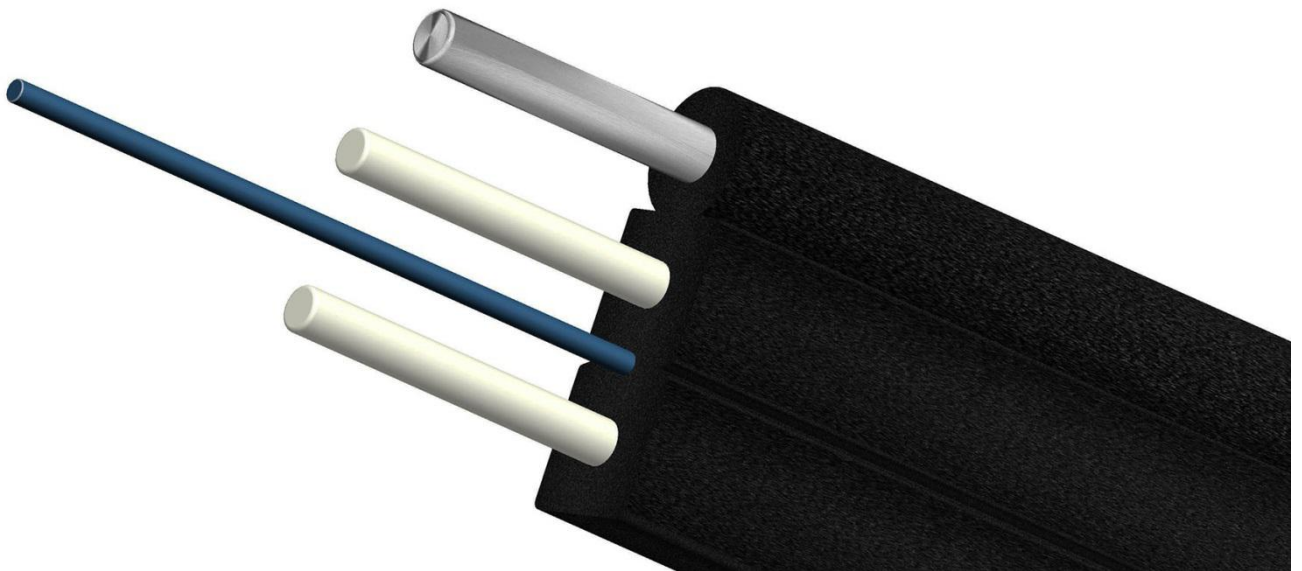




## FTTH Drop Cable



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 02 (Version 2)

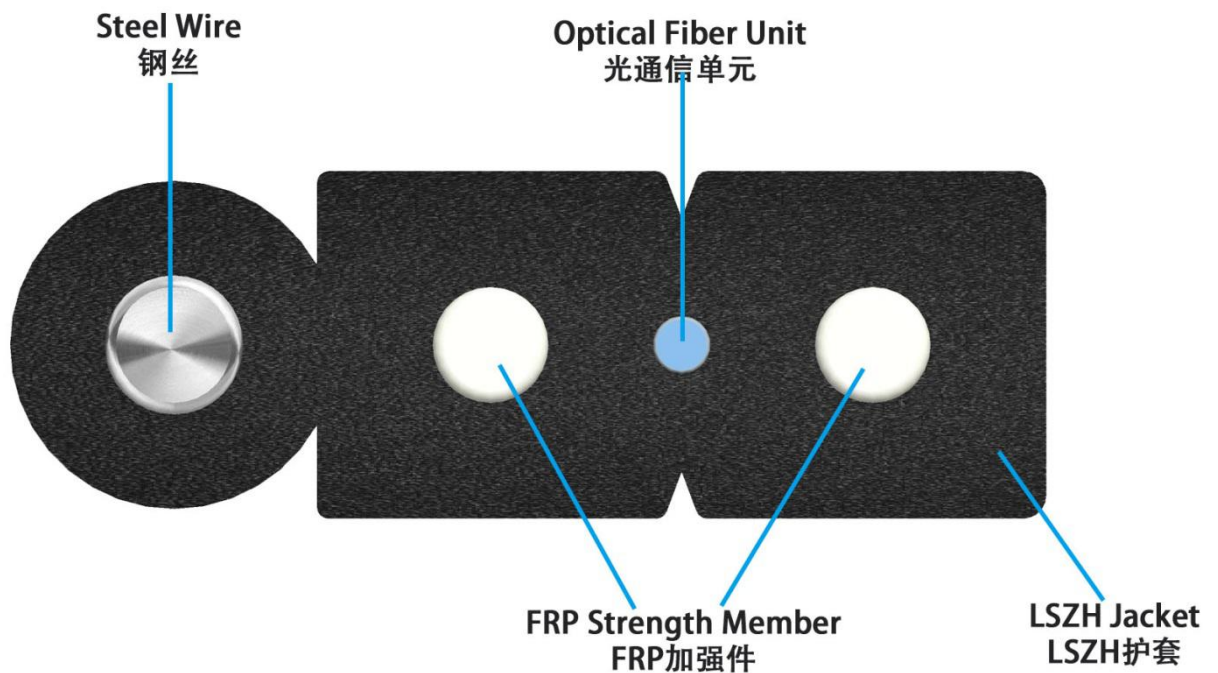
## Overview

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. A steel wire as the additional strength member is also applied. Then the cable is completed with a black or color LSZH sheath.

## Product Features

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property;
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber;
- Single steel wire or massagers as the additional strength member ensures good performance of tensile strength;
- Simple structure, light weight and high practicability;
- Novel flute design, easily strip and splice, simplify the installation and maintenance;
- Low smoke, zero halogen and flame retardant sheath.

## Product Structure



**Optical Characteristics**

|   |         |                |             |               |               |
|---|---------|----------------|-------------|---------------|---------------|
|   |         | G.652          | G.655       | 50/125μm      | 62.5/125μm    |
| Attenuation<br>(+20°C)                      | @850nm  |                |             | ≤3.5 dB/km    | ≤3.5 dB/km    |
|   | @1300nm |                |             | ≤1.5 dB/km    | ≤1.5 dB/km    |
|   | @1310nm | ≤0.45<br>dB/km | ≤0.50 dB/km |               |               |
|   | @1550nm | ≤0.30<br>dB/km | ≤0.50dB/km  |               |               |
| Bandwidth<br>(Class A)                      | @850nm  |                |             | ≥500 MHz·km   | ≥200 MHz·km   |
|   | @1300nm |                |             | ≥1000 MHz·km  | ≥600 MHz·km   |
| Numerical Aperture                          |         |                |             | 0.200±0.015NA | 0.275±0.015NA |
| Cable Cut-off<br>Wavelength λ <sub>cc</sub> |         | ≤1260nm        | ≤1480nm     |               |               |

**Technical Parameters**

| Fiber Count | Cable Diameter mm   | Cable Weight kg/km | Tensile Strength Long/Short Term N | Crush Resistance Long/Short Term N/100mm | Bending Radius Static /Dynamic mm |
|-------------|---------------------|--------------------|------------------------------------|--|-----------------------------------|
| 1           | (2.0±0.2)×(5.0±0.2) | 20                 | 60/120                             | 300/1000                                 | 15/30                             |
| 2           | (2.0±0.2)×(5.0±0.2) | 20                 | 60/120                             | 300/1000                                 | 15/30                             |
| 3           | (2.0±0.2)×(5.6±0.2) | 21                 | 60/120                             | 300/1000                                 | 15/30                             |
| 4           | (2.0±0.2)×(5.6±0.2) | 22                 | 60/120                             | 300/1000                                 | 15/30                             |

Storage/Operating Temperature : -20°C to + 60°C

**Important Notice**

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTOSTAR or others. Further details are available from any OPTOSTAR sales representative.

## Contact OPTOSTAR

### **Shenzhen Optostar Optoelectronics Co., Ltd**

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: [info@optostar.com.cn](mailto:info@optostar.com.cn)

Skype:ouyangroya

Web: [www.optostar.com.cn](http://www.optostar.com.cn)