# Product Data Sheet

## Outdoor FTTH Drop cable with messenger, flat, FRP, PE, 2 fibers, G657 SM, black



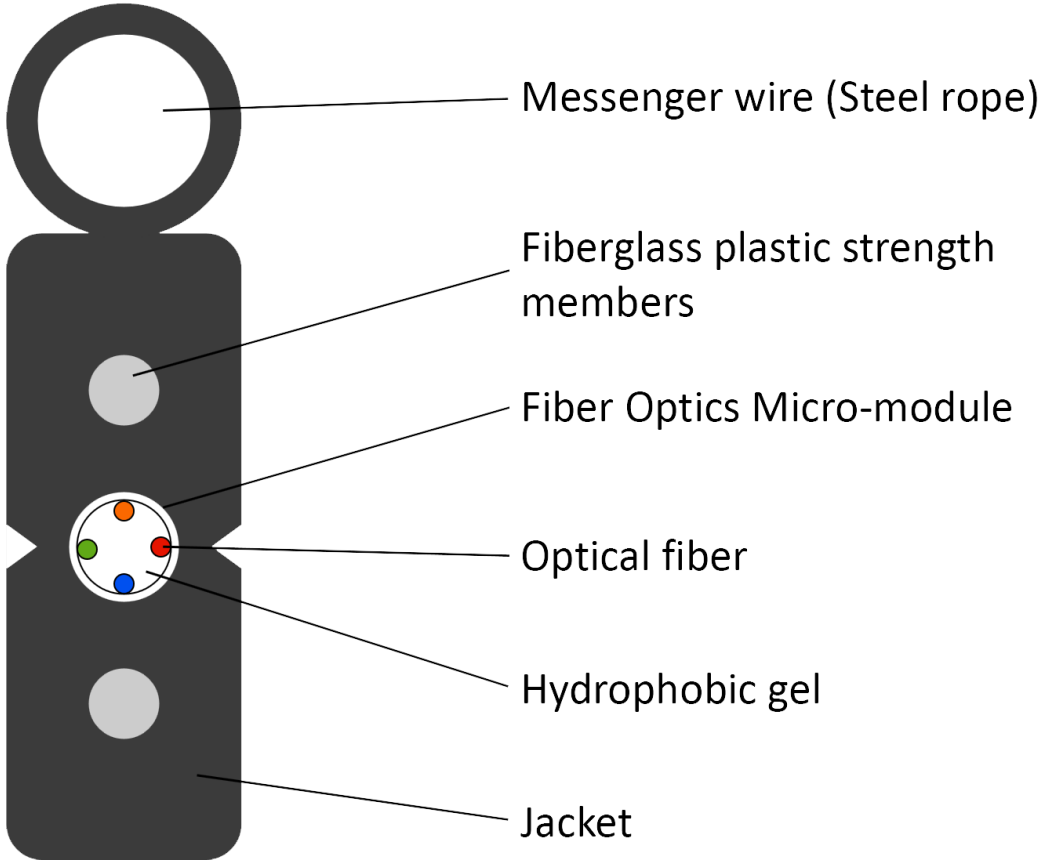
**Part Number:** LAN-OFC-FOF2-S7-PE-T

FTTH cable with messenger, outdoor LAN-OFC-FOFxx-S7-PE-T: specifications, description, purpose and use in structured cabling, data center and LANMASTER infrastructure projects.

## Description

Subscriber cable for FTTH networks, has small size and high flexibility. Two strength members provide protection against mechanical stress. Steel rope messenger is combined with the cable to form a "figure-of-eight" structure. The jacket is made of polyethylene. The jacket color is black.

**Design:**




**Weight and dimensions**

| | |
|---|---|
| Fiber count | 1-4 |
| Cable outer dimensions (±0.2) mm | 2.5*6 |
| Cable weight（±2） kg/km | 17 |

**Color identification of optical fibers**

| № | Fibers 1-4 |
|---|---|
| 1 | Blue |
| 2 | Orange |
| 3 | Green |
| 4 | Brown |

**Operating conditions**

| | | |
|---|---|---|
| Minimum Bend Radius | Without Pulling Tension | 30 cable diameters |
| | With Pulling Tension | 60 cable diameters |
| Temperature range（°C） | Installation | -20~+60 |
| | Storage | -20~+60 |
| | Operating | -20~+60 |

**Physical specifications**

| № | Specification | Value |
|---|---|---|
| 1 | Maximum pulling tension (short term impact) | 600 N |
| 2 | Maximum crush resistance (short term impact) | 1000 (N/100mm) |

**Attenuation:**

| Wavelength | Units | G652 single-mode |
|---|---|---|
| 1550nm | dB/km | ≤ 0.21 |
| 1310nm | dB/km | ≤0.35 |

**Applicable optical fibers:**

| Identifier | Description |
|---|---|
| SU | Single-mode fiber with extended operating wavelength and reduced attenuation |

| | |
|---|---|
| | and low bending loss (ITU G.652D+G.657.A1 recommendation) |
| S2 | Single-mode fiber with an extended bandwidth of operating wavelengths (ITU-T G.652D recommendation) |
| S5 | Single-mode positive non-zero dispersion shifted fiber (ITU-T G.655 recommendation) |
| S7 | Single-mode with low bending loss (ITU-T G.657 recommendation) |
| M1 | Multi-mode with core to cladding ratio 62,5/125 µm (IEC 60793-2-10 A1b type recommendation) |
| M2 | Multi-mode with core to cladding ratio 50/125 µm (ITU-T G.651 recommendation and IEC 60793-2-10 type A1a.1 requirements) |
| M3 | Multi-mode with low bending loss and core to cladding ratio 50/125 µm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.2 type requirements) |
| M4 | Multi-mode with low bending loss and core to cladding ratio 50/125 µm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.3 type requirements) |

| Product code | Description |
|---|---|
| LAN-OFC-FOFn-yy-zz-T | Outdoor FTTH Drop cable with messenger, flat, FRP, PE, n fibers, SM G657/OS2 Ultra/OS2/OM1/OM2/OM3/OM4, black |

**n** - fiber count

**yy** - fiber type (SU, S2, S5, S7, M1, M2, M3, M4)

**zz** - jacket type is PE (polyethylene)

**T** - messenger wire

## Part Numbers

| | |
|---|---|

| | |
|---|---|
| LAN-OFC-FOF1-S7-PE-T | Outdoor FTTH Drop cable with messenger, flat, FRP, PE, 1 fiber, G657 SM, black |
| LAN-OFC-FOF2-S7-PE-T | Outdoor FTTH Drop cable with messenger, flat, FRP, PE, 2 fibers, G657 SM, black |
| LAN-OFC-FOF4-S7-PE-T | Outdoor FTTH Drop cable with messenger, flat, FRP, PE, 4 fibers, G657 SM, black |

Specifications are subject to change without notice. For the most current information, consult LANMASTER or an authorized LANMASTER partner/distributor.