Product Data Sheet

Outdoor FTTH Drop cable with messenger, flat, FRP, PE, 1 fiber, G657 SM, black



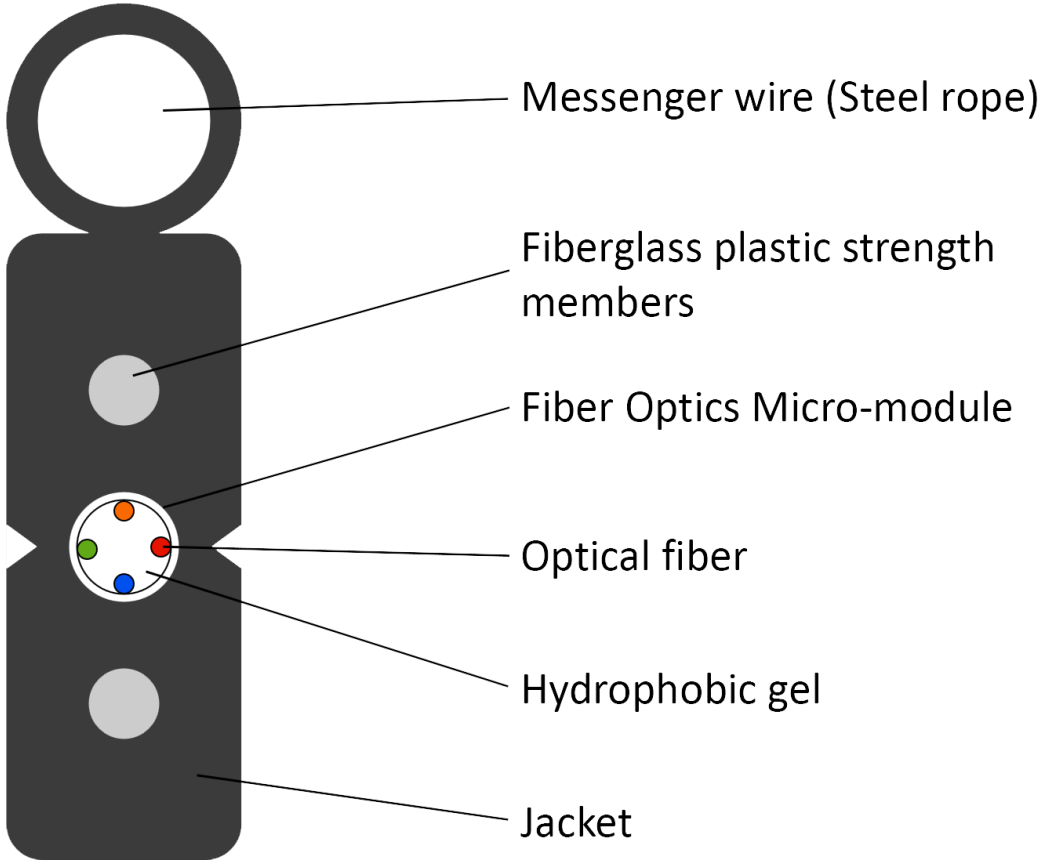
Part Number: LAN-OFC-FOF1-S7-PE-T

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.