Паспорт изделия

Indoor/Outdoor fiber optics FTTH cable with messenger and нг(A)-LS jacket



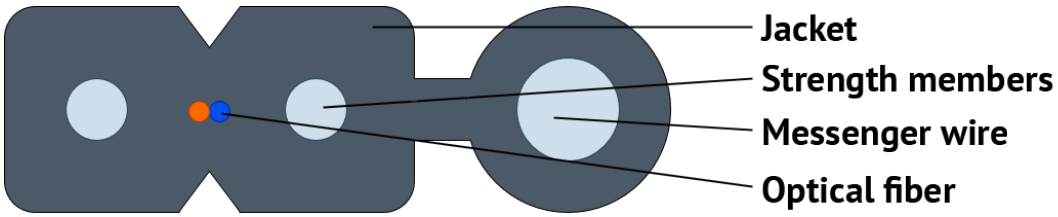
Product Code: TWT-OFC-FUSx-yy-LS-T

Indoor/Outdoor fiber optics FTTH cable with messenger and нг(A)-LS jacket

Description

Application:

Subscriber cable for FTTH networks, has small size and high flexibility. Used as a distribution cable for suspension on the utility poles, electricity pylons, between buildings, and for cabling inside buildings, in cable ducts, pipes, also for outdoor cabling along the external facades of buildings.



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The maximum possible count of optical fibers in the cable is 8.

Weight and dimensions:

Fiber count in the cable	Up to 4	Up to 8
Cable dimensions, mm	2,1x5,3	2,1x5,7
Cable weight, kg/km	23,7	25,1

Optic fiber parameters:

Fiber optic type		G652D
Attenuation, dB/km, no more	at 1310 nm wavelength	0,35
	at1550 nm wavelength	0,22

Operating conditions:

Operating Temperature	-50°C...+70°C
Installation Temperature	-10°C...+50°C
Minimum Bend Radius	At least 10 cable diameters

Physical specifications:

Optical cable is resistant to the following impacts

Impact type	Nominal value	Criteria for evaluation
Pulling tension (IEC 794-1-93 E1 test procedure)	1 kN	Δα* ≤ 0,05 dB no damage
Crush resistance (IEC 794-1-93 E3 test procedure)	250 N/cm	

Table off maximum allowed span lengths for TWT-OFC-FUSx-yy-LS-T cable

Tension strength	Ice and wind climatic zone					
	1	2	3	4	5	6
1 кН	100	60	40	30	20	15

Note:

Span length limits are given for 2% sag.

The given distances are for reference and approximated and require an accurate calculation in accordance with a specific project, as well as compliance with the rules for installation and operation of the cable.

Product code	Description
TWT-OFC-FUSx-yy-LS-T	Indoor/Outdoor FO FTTH Drop cable with a messenger, flat, steel strength members, нг(A)-LS, **x** fibers, OS2 Ultra/OM1/OM2/OM3/OM4, white

S – strength member (steel wires)

x - fiber count

yy – fiber type (SU, S5, S7, M1, M2, M3, M4)

T- messenger (steel rope)

LS - нг(A)-LS jacket is made of a flame retardant halogen-free polymer material with reduced smoke and gas emission

Applicable optical fibers:

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 in limited quantities, warehouse balances are available.

Model range

TWT-OFC-FUS2-SU-LS-T	Indoor/Outdoor FO FTTH Drop cable with a messenger, flat, steel strength members, нг(A)-LS, 2 x OS2 Ultra, white
TWT-OFC-FUS4-SU-LS-T	Indoor/Outdoor FO FTTH Drop cable with a messenger, flat, steel strength members, steel wire, нг(A)-LS, 4 x OS2 Ultra, white

Product descriptions are listed according to the available information at the time of publication. Product specifications can be changed without advanced notification. More detailed and exact information can be obtained from the official partners and distributors of LANMASTER.