Паспорт изделия

Indoor fiber optics FTTH cable with нг(A)-LS jacket

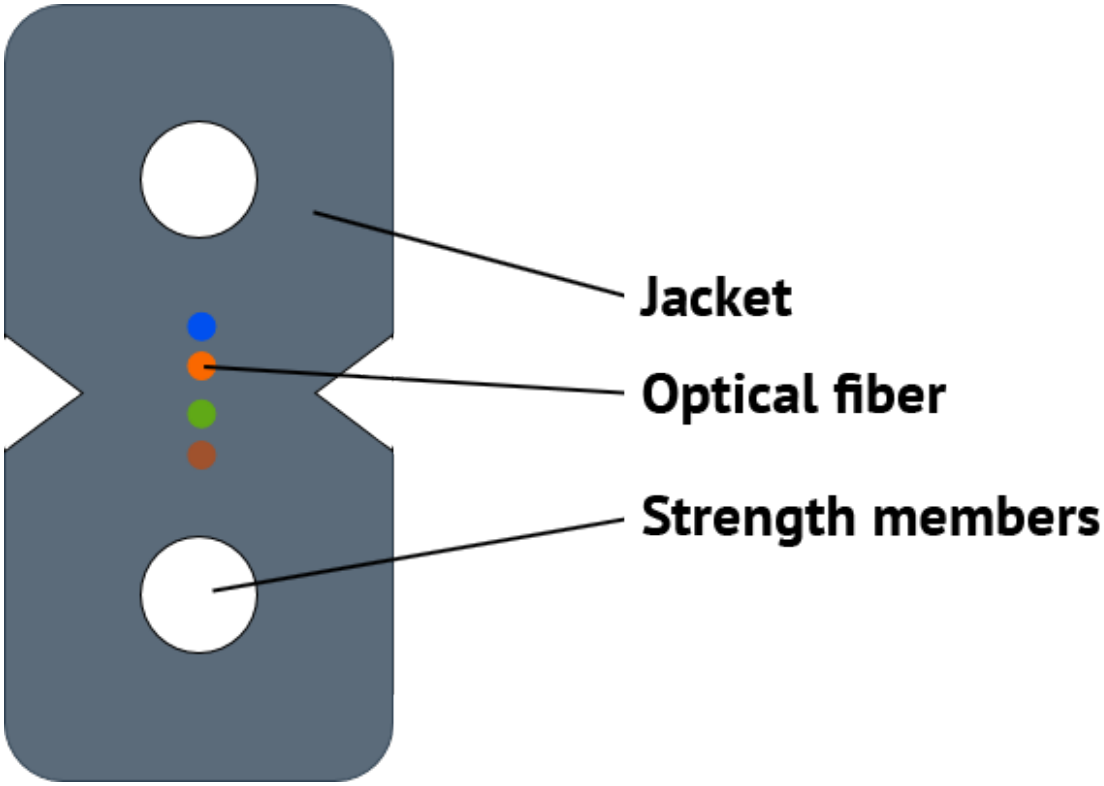
Product Code: TWT-OFC-FISx-yy-LS

Indoor fiber optics FTTH cable with нг(A)-LS jacket

Description

Application:

Subscriber cable for FTTH networks, has small size and high flexibility. Used as a distribution cable for cabling inside buildings, in cable trays, in cable ducts, pipes, and tunnels.



The cable has a few optical fibers. The fibers and strength members are covered with overall jacket. Two strength members of steel wires protect the cable against mechanical stress. The cable jacket is made of a flame retardant halogen-free polymer material with reduced smoke and gas emission.

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	2,0 x 3,0	2,1 x 3,1
Cable weight, kg/km	8,3	9,4

Operating conditions:

Operating Temperature	-40°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)	150 N	Δα* ≤ 0,05 dB no damage
Crush resistance (IEC 794-1-93 E3 test procedure)	250 N/cm	

Product code	**Description**
TWT-OFC-FISx-yy-LS	Indoor FO FTTH Drop cable, 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)

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)

Model range

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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.