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501302-002010001002

ОКРдТ * 1 – 0.25
ТУ У 27.3-00214534-095:2017

Distribution fiber-optic cables with a fiberglass strength element, with an outer sheath of flame retardant polymer compound and external steel strength element

Mark formation:
ОКРдТ -[b] [c]1(1x[e])-0.25
[b] quantity of optical fibers in the cable, possible values
- *1, 2*

[c] type of optical fiber
- *A – single-mode with extended wavelength band (ITU-T G.652D, ITU-T G.657A1)*
- *D - single-mode, not sensitive to losses on macro-bending (ITU-T G.657A2)*

[e] quantity of optical fibers in the module:
- *1 … 2*

Manufacturing of cables with armouring (aramid yarns and/or corrugated steel tape) is possible

Order placing: sample of indication (corresponds to configuration pattern)
ОКРдТ-2А1(1х2)-0.25 • ТУ У 27.3-00214534-095:2017

Cables are used for:
- *in areas with exclusive fire safety requirements*
- *for laying between supports, inside and between buildings*
- *for laying between the main line and the building*
- *for laying in places with effect of high electromagnetic field*

Cables are available in either gel-filled or dry construction
The color of the optical fibers of the cable can be optional
Cable length marking on cable sheath is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ103122000
Products of this mark meet the requirements:
- *single wire cable flame retardance*
- *toxicity class Тк3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m^3)*
- *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m^2/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Кк2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10 μS/mm)*

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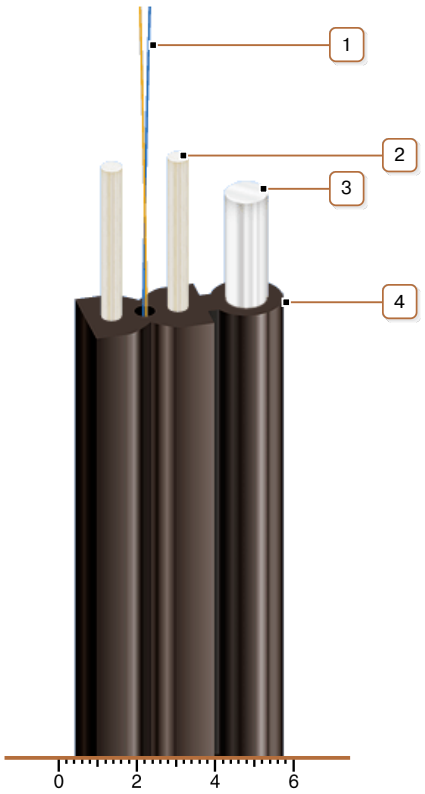
TECHNICAL SPECIFICATIONS

Number of optical fibers in cable	units	1 ... 2
Permissible tensile force	N	250
Permissible crushing force, no less than	N/10 sm	2500
Ambient temperature		
• *during operation*	°C	-40 ... +70
• *during storage and transportation*	°C	-40 ... +70
• *during laying and installation*	°C	-10 ... +70
Cable weight (approximate)	kg/km	20
Outer dimension of the cable (for reference) **	mm	2 x 4.9
Minimum bending radius during laying		
• *for cables with optical fiber type A*	mm	25
• *for cables with optical fiber type D*	mm	15

Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

*** The external dimensions may exceed the rated by up to 10 %*



CONSTRUCTION

1. Optic fibers

2. Fiberglass rod in sheath

3. Extended strength member (wire)

4. Outer sheath of halogen-free flame retardant polymer composition with low smoke emission

Note: Manufacturing of cables with armouring (aramid yarns and/or corrugated steel tape) is possible

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