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501101-020010002012

ОЦПТ * 1 – 2
ТУ У 31.3-00214534-047:2005

Fiber optic overhead tubular-core cables, with polyethylene outer sheath

Mark formation:
ОЦПТ -[b] [c]1(1x[e])-2
[b] quantity of optical fibers in the cable, possible values
• *2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 32, 36, 40, 48*
[c] type of optical fiber
• *E – single-mode (ITU-T G.652B)*
• *A – single-mode with extended wavelength band (ITU-T G.652D, ITU-T G.657A1)*
• *C – single-mode with non-zero shifted dispersion (ITU-T G.655)*
• *M – multimode with core and sheath diameter ratio 50 : 125 mm (ITU-T G.651)*
• *B – multimode with core and sheath diameter ratio 62.5 : 125 mm (IEC 60793-2)*
[e] quantity of optical fibers in the module:
• *1 … 48*

Manufacturing of cables in climate version F is possible
Manufacturing of cables with armouring (aramid yarns and/or corrugated steel tape) is possible
Manufacturing of cables with dielectric wire rope (glass fiber rod) is possible
Manufacturing of cables with flame-retardant polymer compound outer sheath is possible

Order placing: sample of indication (corresponds to configuration pattern)
ОЦПТ-8А1(1х8)-2 • ТУ У 31.3-00214534-047:2005

Cables are used for:
• *suspensions and operation at supports of aerial contact-lines, urban electric transport and aerial power transmission lines under impact of wind, ice or their combination loads, as well as between buildings and facilities*

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ОЦПТ * 1 – 2
ТУ У 31.3-00214534-047:2005

Fiber optic overhead tubular-core cables, with polyethylene outer sheath

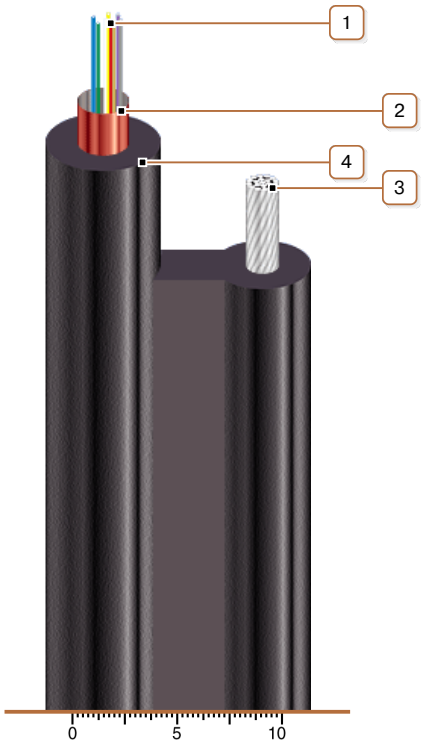
TECHNICAL SPECIFICATIONS

Number of optical fibers in cable	units	2 ... 48
Electrical resistance of sheath insulation, not less than	MOhm • km	2000
Permissible tensile force	kN	2
Permissible crushing force, no less than	N/10 sm	2000
Operating temperature range	°C	-40 ... +60
Operating temperature range (in climate version F)	°C	-60 ... +60
Cable weight (approximate)	kg/km	55
Rated outer diameter of the cable (for reference) **	mm	5.6
Cable width with suspension element (for reference only)	mm	12.8
Minimum bending radius during laying	mm	112

Notes:

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

*** The external diameter may differ from the rated up to ± 10 %*



CONSTRUCTION

1. Optic fibers

2. Tube of fiber optic module

3. Extended strength member (rope)
Note: Manufacturing of cables with dielectric wire rope (glass fiber rod) is possible

4. Polyethylene outer sheath
Note: Manufacturing of cables with flame-retardant polymer compound outer sheath is possible

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

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