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# $OAp\Pi * 10 - 7$ ТУ У 31.3-00214534-036-2004

Fiber optic module-core cables, aramid-yarn armoured, with polyethylene outer sheath

#### Mark formation:

 $OAp\Pi$ -[a]-[b] [c]10(10x[e])-7 [a] central strength element

- · C steel
- · No marks dielectric

[b] quantity of optical fibers in the cable, possible values

· 60, 80, 100, 120, 130, 140, 150, 160

[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... 16

Manufacturing of cables in climate version F is possible

It is possible to manufacture cables with gel-filled core or dry core (with water-blocking yarns and tapes) It is possible to manufacture cables with a number of core elements up to and including 18

Order placing: sample of indication (corresponds to configuration pattern) ОАрП-100A10(10x10)-7 • ТУ У 31.3-00214534-036-2004

### Cables are used for:

· suspensions between buildings and facilities, at power substantions, at contact-line supports, at communication and lightning, power transmission lines supports







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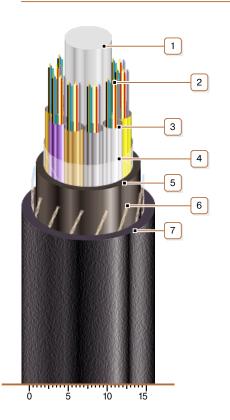
# **TECHNICAL SPECIFICATIONS**

Number of cable core elements	units	10
Number of optical fibers in cable	units	60 160
Electrical resistance of sheath insulation, not less than	MOhm • km	2000
Permissible tensile force	kN	7
Permissible crushing force, no less than	N/10 sm	3000
Operating temperature range	°C	-40 +60
Operating temperature range (in climate version F)	°C	-60 +60
Cable weight (approximate, depending on construction)	kg/km	200 235
Rated outer diameter of the cable (for reference only,	mm	16 17
depending on construction) **		
Minimum bending radius during laying	mm	340
Rated factory cable length and gross weight of the delivery	m, t	# 14: 2180 • 0.6
on the drums ***		

Notes:

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

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



## CONSTRUCTION

- 1. Central dielectric strength element
- 2. Optic fibers
- 3. Tube of fiber optic module
- 4. PET film winding
- 5. Polyethylene inner sheath
- 6. Aramid-thread layer
- 7. Polyethylene outer sheath

#### Notes:

- Optical module twisting is not illustrated.
- It is possible to manufacture cables with gel-filled core or dry core (with water-blocking varns and tapes)
- It is possible to manufacture cables with a number of core elements up to and including
  18