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### ОАрП \* 10 – 8 ТУ У 31.3-00214534-036-2004



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

#### Mark formation:

ОАрП-[a]-[b] [c]10(10x[e])-8

[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) OApΠ-100A10(10x10)-8 • TY Y 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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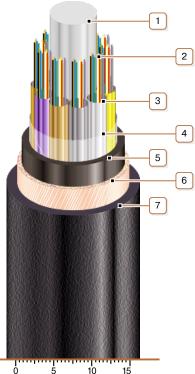
#### **TECHNICAL SPECIFICATIONS**

Number of a black and all manufa		10
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	8
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	200 240
Rated outer diameter of the cable (for reference only,	mm	16 18
depending on construction) **		
Minimum bending radius during laying	mm	360
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

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



5 10 15

## **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 yarns and tapes)
- It is possible to manufacture cables with a number of core elements up to and including 18