



## ОАрП \* 10 – 7 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])-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)

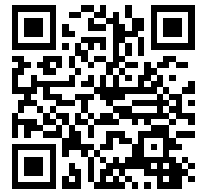
It is possible to manufacture cables with a number of core elements up to and including 18

Order placing: sample of indication (corresponds to configuration pattern)

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Cables are used for:

- suspensions between buildings and facilities, at power substations, 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, depending on construction) ** | mm        | 16 ... 17        |
| Minimum bending radius during laying   | mm        | 340              |
| Rated factory cable length and gross weight of the delivery on the drums             | m, t      | # 14: 2180 · 0.6 |

Notes:

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

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

