



## ОАрПо \* 8 – 2.7 ТУ У 31.3-00214534-036-2004

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

### Mark formation:

ОАрПо-[a]-[b] [c]8(8x[e])-2.7

[a] central strength element

- C – steel
- No marks – dielectric

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

- 32, 48, 64, 80, 96, 104, 112, 120, 128

[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)

ОАрПо-80А8(8x10)-2.7 • ТУ У 31.3-00214534-036-2004

Cables are used for:

- installation in cable ducts, blocks, pipes, protection polyethylene pipes (including air installation method), without risk of damage by rodents



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### TECHNICAL SPECIFICATIONS

Number of cable core elements	units	8
Number of optical fibers in cable	units	32 ... 128
Electrical resistance of sheath insulation, not less than	MOhm · km	2000
Permissible tensile force	kN	2.7
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	125 ... 140
Rated outer diameter of the cable (for reference only, depending on construction) **	mm	13 ... 14
Minimum bending radius during laying	mm	280
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 12a: 2360 · 0.4 # 14: 3210 · 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. Aramid-thread layer
6. 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

