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ОБгП * 12 – 3.5 ТУ У 31.3-00214534-036-2004

Fiber optic module-core cables, corrugated steel-tape armoured, with polyethylene outer sheath

Mark formation:

ОБгП-[a]-[b] [c]12(12x[e])-3.5 [a] central strength element

- · C steel
- · No marks dielectric

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

· 72, 96, 120, 144, 156, 168, 180, 192

[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

Manufacturing of cables with steel strength element is possible

Manufacturing of cables with dielectric armour (of glass fiber rod) 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)

ОБгП-120А12(12х10)-3.5 • ТУ У 31.3-00214534-036-2004

Cables are used for:

• installation in pipes (including air installation method), blocks, collectors at risk of damage by rodents, as well as in soil by mechanical method







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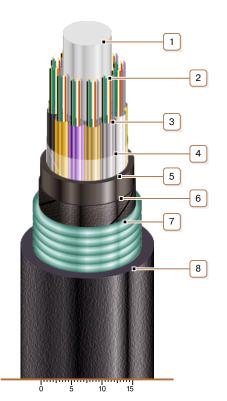
TECHNICAL SPECIFICATIONS

Number of cable core elements	units	12
Number of optical fibers in cable	units	72 192
Electrical resistance of sheath insulation, not less than	MOhm ⋅ km	2000
Permissible tensile force	kN	3.5
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	315 390
Rated outer diameter of the cable (for reference only,	mm	20 22
depending on construction) **		
Minimum bending radius during laying	mm	440
Mala		

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 %



CONSTRUCTION

- 1. Central dielectric strength element
- Note: Manufacturing of cables with steel strength element is possible
- 2. Optic fibers
- 3. Tube of fiber optic module
- 4. PET film winding
- 5. Polyethylene inner sheath
- 6. Lapping layer of water-blocking tape or thread
- 7. Armour of corrugated steel tape, polyethylene-laminated
 Note: Manufacturing of cables with dielectric armour (of glass fiber rod) is possible
- 8. 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
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