



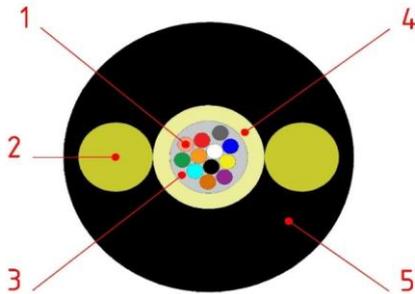
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# OPTICAL CABLE A-D(ZN-2P)2Y xE 0.3/1.0kN

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ID: A10TxU2

## Cable Design Application Properties



Aerial



All-dielectric



UV resistant

1. Optical fiber	Single-mode Rec. ITU-T G.652.D
2. Peripheral strength member	FRP rod
3. Filler	Thixotropic filling compound (gel)
4. Loose Tube	Polybutylene terephthalate (PBT)
5. Outer jacket	Polyethylene (HDPE), black, UV-resistance

## Technical data

		A10T1U2	A10T2U2	A10T3U2	A10T5U2	A10T7U2	A10TEU2	
Optical fiber/Manufacturer		Single-mode Rec. ITU-T G.652.D						
Cladding Diameter	(±0,7), μm	125						
Coating Diameter	(±5), μm	242						
Attenuation	(λ= 1310 nm), dB/km	≤ 0,32						
	(λ= 1550 nm), dB/km	≤ 0,22						
Number of optical fibers		<b>1</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>24</b>	
Central tube diameter	(±0,2), mm	1,5		2,0		2,5		
Cable diameter	(±0,3), mm	4,0		4,5		5,0		
Cable weight	(±5%), kg/km	14		26		40		
Max. Tension	Installation, kN	1,0						
	Operational, kN	0,3						
Crush resistance, N/10 cm		3000						
Cable modulus of elasticity, N/mm <sup>2</sup>		4160			3203			
Effective cable area, mm <sup>2</sup>		11,4			14,4			
Thermal expansion coefficient, °C <sup>-1</sup>		1,56E-05			8,70E-06			
Delivery Lengths	(±100), m	2000 / 4000 *						
	Operation, °C	-40 ... +70						
Temperature range	Installation, °C	-10 ... +50						
	Storage, °C	-40 ... +70						
Min. bending radius		15xOD						

\* - other lengths available upon agreement

## Identification

Optical fibers	
Central Loose Tube	
Cable marking	<p>The cable is marked in yellow every 1 meter of length by inkjet printing</p> <p>where: yyyy - year; xx - the number of optical fibers in the cable; ZZZZZ - sequential length mark.</p>