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# OPTICAL CABLE A-D(ZN-2P)2Y xE 2,5kN

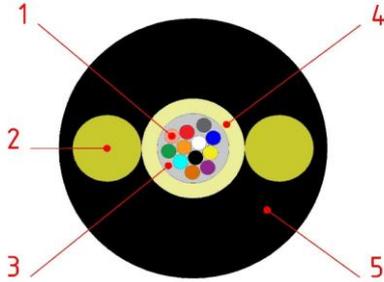
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## Cable Design

## Application

## Properties



Aerial



UV resistant



All-dielectric

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

	A25T2D	A25T3D	A25T5D	A25T7D	A25TAD	A25TED
Optical fiber/Manufacturer	Single-mode Rec. ITU-T G.652.D / Corning®					
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>2</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>16</b>	<b>24</b>
Central tube diameter	(±0,2), mm		1,8		2,5	
Cable diameter	(±0,4), mm		6,5		7,2	
Cable weight	(±5%), kg/km		38,1		38,2	
Max. Tension	Installation, kN		2,5			
	Operational, kN		1,2			
Crush resistance, N/10 cm			3000			
Cable modulus of elasticity, N/mm <sup>2</sup>	7360		6238			5181
Effective cable area, mm <sup>2</sup>	32,1		38,2			46,5
Thermal expansion coefficient, °C <sup>-1</sup>	1,06E-05		1,17E-05			1,31E-05
Delivery Lengths	(±100), m		2000 / 4000 *			
Temperature range	Operation, °C		-40 ... +70			
	Installation, °C		-10 ... +50			
	Storage, °C		-40 ... +70			
Min. bending radius			20xOD			

\* - other lengths available upon agreement

## Identification

Optical fibers*	
Central Loose Tube**	<p>1 NAT</p>
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; ZZZZ - sequential length mark.</p>

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