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# OPTICAL CABLE A-D(ZN-2P)2Y xE 1,5kN

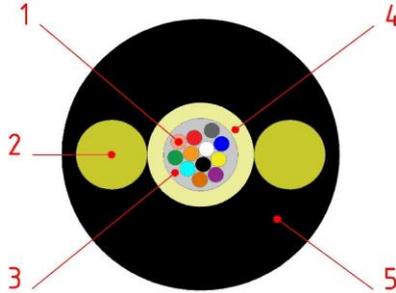
ID: A15TxB

24.07.2025

## 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

A15T1B

A15T2B

A15T3B

A15T5B

A15T7B

A15TEB

Optical fiber/Manufacturer	Single-mode Rec. ITU-T G.652.D					
Cladding Diameter	(±0,7), μm					
Coating Diameter	(±5), μm					
Attenuation	(λ= 1310 nm), dB/km					
	(λ= 1550 nm), dB/km					
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		1,8		2,5	
Cable diameter	(±0,3), mm		5,0		6,0	
Outer sheath thickness	(±0,15), mm		1,35		1,5	
Cable weight	(±5%), kg/km		22		31	
	Installation, kN		1,5		35	
Max. Tension	Operational, kN		0,6		3000	
	Crush resistance, N/10 cm		3000		4235	
Cable modulus of elasticity, N/mm <sup>2</sup>	5757		4235		3893	
Effective cable area, mm <sup>2</sup>	18,5		25,7		28,4	
Thermal expansion coefficient, °C <sup>-1</sup>	1,24E-05		1,52E-05		1,63E-05	
Delivery Lengths	(±100), m		2000 / 4000 *			
Temperature range	Operation, °C		-40 ... +70			
	Installation, °C		-10 ... +50			
	Storage, °C		-40 ... +70			
Min. bending radius	15xOD					

\* - other lengths available upon agreement

## Identification

Optical fibers*	
Central Loose Tube**	1 NAT
Cable marking	<p>The cable is marked in yellow every 1 meter of length by inkjet printing</p> <p><b>UTEX 20yy A-D(ZN-2P)2Y xE 1,5kN A15TxB ZZZZ m</b></p> <p>where: yyyy - year; xx - the number of optical fibers in the cable; ZZZZ - sequential length mark.</p>

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