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OPTICAL CABLE

A-D(ZN-2P)2Y xE 0.4/1.2kN

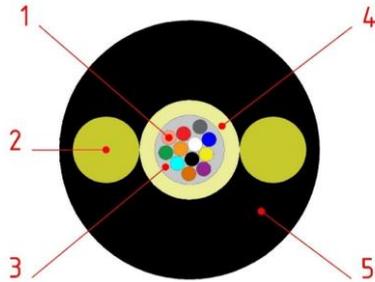
ID: A11TxL

25.07.2025

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

A11T1L

A11T2L

A11T3L

A11T5L

A11T7L

A11TAL

A11TEL

Optical fiber	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		1	2	4	8	12	16	24
Central tube diameter	(±0,2), mm		1,5		2		2,5	
Cable diameter	(±0,3), mm		4,5		5,0		6,0	
Outer sheath thickness	(±0,15), mm		1,5			1,5		
Cable weight	(±5%), kg/km		17		21		30	
Max. Tension	Installation, kN	1,2						
	Operational, kN	0,4						
Crush resistance, N/10 cm		3000						
Cable modulus of elasticity, N/mm ²		4690		3493			3054	
Effective cable area, mm ²		13,1		18,1			21,2	
Thermal expansion coefficient, °C ⁻¹		1,61E-05		2,01E-05			2,25E-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>UTEX 20yy A-D(ZN-2P)2Y xE 0.4/1.2kN A11TxL ZZZZ m</p> <p>where: yyyy - year; xx - the number of optical fibers in the cable; ZZZZ - sequential length mark.</p>

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