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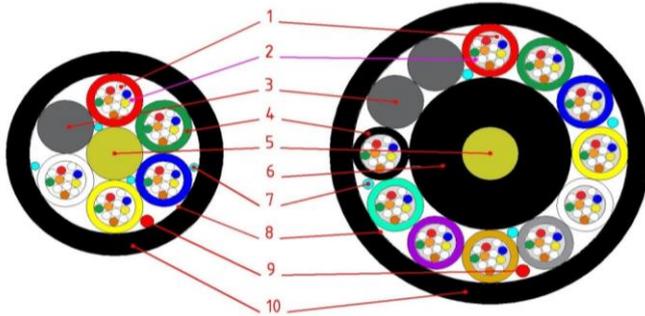
OPTICAL CABLE

Micro A-DQ(ZN)2Y xTyE 1,0kN

04.08.2025

ID: B10PxP1

Cable Design



- Blowing installation
- UV resistant
- All-dielectric

1. Optical fiber	Single-mode Rec. ITU-T G.652.D
2. Filler	Thixotropic filling compound (gel)
3. Dummy filler	Polyethylene (HDPE)
4. Loose Tube	Polybutylene terephthalate (PBT)
5. Central strength member	FRP rod
6. FRP jacketing	Polyethylene (HDPE)
7. Water blocking element	Water blocking yarn
8. Fixing element	Aramid yarn
9. Ripcord	Polyester yarn
10. Outer jacket	Polyethylene (HDPE), black, UV-resistance

Technical data

	B10P8P1	B10PEP1	B10PNP1	B10PRP1	B10PTP1	B10XP1
Optical fiber/Manufacturer	Single-mode Rec. ITU-T G.652.D					
Cladding Diameter	($\pm 0,7$), μm 125					
Coating Diameter	(± 5), μm 242					
Attenuation	$(\lambda = 1310 \text{ nm})$, dB/km $\leq 0,32$ $(\lambda = 1550 \text{ nm})$, dB/km $\leq 0,22$					
Number of optical fibers	12	24	48	72	96	144
Design	2x6	2x12	4x12	6x12	8x12	12x12
Number of elements	6					
Number of fillers	4	4	2		8	12
Loose Tube diameter	($\pm 0,2$), mm 1,35					
Cable diameter	($\pm 0,4$), mm 5,2					
Outer sheath thickness	($\pm 0,2$), mm 0,5					
Cable weight	($\pm 5\%$), kg/km 22 22 24 25 33 52					
Max. Tension	Installation, kN 0,6 0,8 1,2 1,5					
Crush resistance, N/10 cm	500					
Delivery Lengths	(± 100), m 2000 / 4000 *					
Temperature range	Operation, $^{\circ}\text{C}$ -40 ... +60					
	Installation, $^{\circ}\text{C}$ -10 ... +50					
	Storage, $^{\circ}\text{C}$ -40 ... +60					
Min. bending radius	20xOD					

* - other lengths available upon agreement

Identification

Optical fibers	
Loose Tubes	
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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