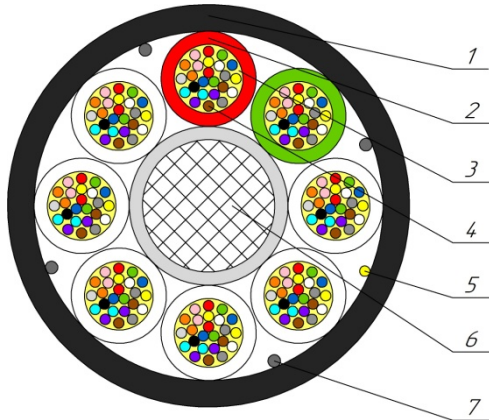


## TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable type A-DQ(ZN)2Y 8x24-G.652.D-UCF200-10134

Cable formula F-PBT-PE



1. Outer sheath
2. Optical loose tube
3. Intramodule compound
4. Optical Fiber
5. Rip-cord
6. Central strength element
7. Water-blocking element of core

Cable construction		
Outer sheath	UV-resistant PE	
Optical loose tube	1,8 mm PBT Tube	
Intramodule compound	Thixotropic compound	
Optical Fiber	Corning® SMF-28® Ultra 200 Fiber according to ITU-T G.652.D and G.657.A1	
Central strength element	Glass reinforced plastic 2,5 mm FRP-E with outer sheath 3,0 mm	
Water-blocking element of core	Water-swellaable yarn	
Rip-cord	Synthetic yarn	
Coloring of fibers in loose tube (According to Customer's requirements color can be different)	Fiber №1	Red
	Fiber №2	Green
	Fiber №3	Blue
	Fiber №4	Yellow
	Fiber №5	White
	Fiber №6	Slate
	Fiber №7	Brown
	Fiber №8	Violet
	Fiber №9	Aqua
	Fiber №10	Black
	Fiber №11	Orange
	Fiber №12	Pink
	Fiber №13	Red-Black
	Fiber №14	Green-Black
	Fiber №15	Blue-Black
	Fiber №16	Yellow-Black
	Fiber №17	White-Black
	Fiber №18	Slate-Black
	Fiber №19	Brown-Black
	Fiber №20	Violet-Black
	Fiber №21	Aqua-Black
	Fiber №22	Natural

	Fiber №23 Fiber №24	Orange-Black Pink-Black
Coloring of optical loose tube (According to Customer's requirements color can be different)	Loose tube №1 Loose tube №2 Loose tube №3 Loose tube №4 Loose tube №5 Loose tube №6 Loose tube №7 Loose tube №8	Red Green White White White White White White
Number of the elements in a layer	1+8	
Average weight of 1 km of the cable, kg	52,3	
Average outer diameter (D), mm	7,5+0,2	
<b>Optical parameters</b>		
Operation wavelength, nm	1310-1550	
Attenuation coefficient at wavelength, dB/km, not more than		
1310 nm	0,36	
1383 nm	0,35	
1550 nm	0,22	
<b>Mechanical characteristics</b>		
Calculated tensile strength, not less than, kN Dynamic	2,0	
Minimum bending radius	15D	
Short-term crush test, kN/cm (N/10cm)	0,12 (1200)	
Resistance to axial torsion at angle $\pm 360^{\circ}$ on 2 m length cable	Resistant	
Resistance to bends at angle $\pm 90^{\circ}$ with a radius equal to 15 nominal cable diameters	Resistant	
Resistance to impact 5,0 J	Resistant	
Operating temperature	from -30 to +70 °C	
Installation temperature	from -15 to +50 °C	
Storage and transportation temperature	from -40 to +70 °C	
Resistance to water penetration	Water resistant	
Relative humidity at +35° C, %	98	
Cable factory length, km	6,0	
Package	Drum №12a (1275x910x1275)	
Tolerance, %	$\pm 3,0$	
Short lengths (customer approval)	Maximum 5%	
The accuracy of marking	$\pm 0,5\%$	