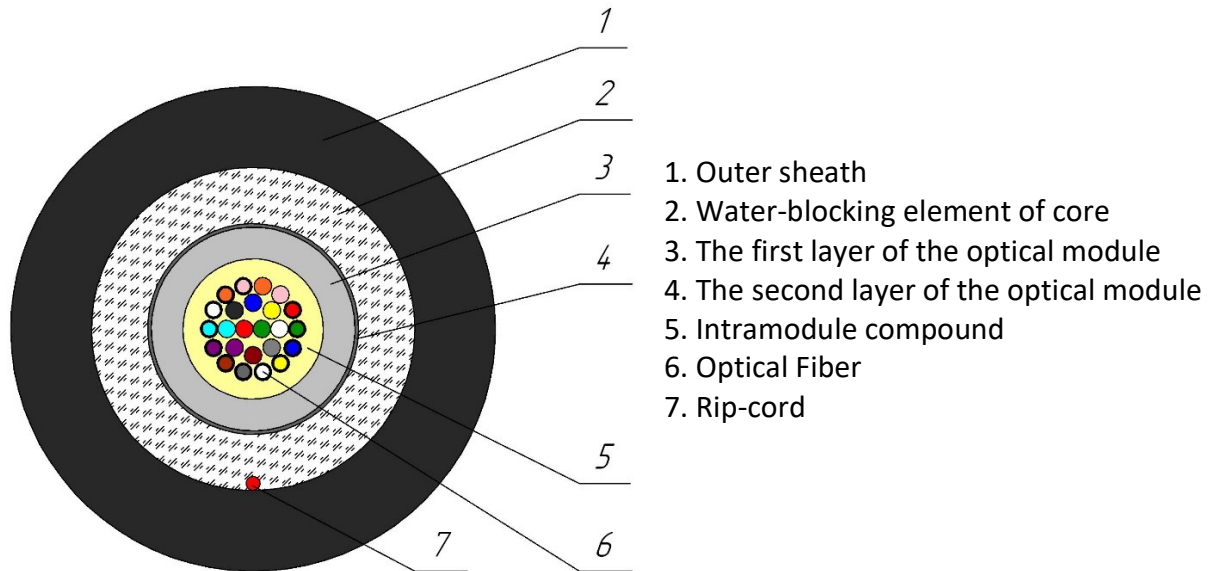


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable type	A-DQ(ZN)B2Y-24-G.652.D-FYF-3,0-6211
Cable formula	F-PBT+FGA-PE
Standards	IEC 60793, IEC 60794



Cable construction											
Outer sheath						UV-resistant PE					
Water-blocking element of core						Water-swellaable glass yarns					
The first layer of the optical module						PC		3,0 mm tube			
The second layer of the optical module						PBT					
Intramodule compound						Thixotropic compound					
Optical Fiber						YOFC FullBand® Plus Low Loss Single-mode Fibre according to ITU-T G.652.D					
Rip-cord						Synthetic yarn					
Average weight of 1 km of the cable, kg						55,7					
Average outer diameter (D), mm						7,5±0,2					
Coloring of fibers in loose tube (According to Customer's requirements color can be different). M-fiber with black ring mark.											
1	2	3	4	5	6	7	8	9	10	11	12
red	green	blue	yellow	white	slate	brown	violet	aqua	black	orange	pink
13	14	15	16	17	18	19	20	21	22	23	24
red	green	blue	yellow	white	slate	brown	violet	aqua	transpa	orange	pink
+m	+m	+m	+m	+m	+m	+m	+m	+m	rent	+m	+m

Optical parameters	
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
Mechanical characteristics	
Calculated tensile strength, not less than, kN Dynamic	3,0
Minimum dynamic bending radius	20D
Minimum static bending radius	15D
Short-term crush test, kN/cm (N/10cm)	0,3 (3000)
Resistance to axial torsion at angle $\pm 360^{\circ}$ on 4 m length cable	Resistant
Resistance to bends at angle $\pm 90^{\circ}$ with a radius equal to 20 nominal cable diameters	Resistant
Resistance to impact 10,0 J	Resistant
Temperature range / Environment	
Operating temperature	from -25 to +60 °C
Installation temperature	from -5 to +50 °C
Storage and transportation temperature	from -25 to +70 °C
Resistance to water penetration	Water resistant
Relative humidity at +35 ⁰ C, %	98
Packaging	
Cable factory length, km	6,0/12,0
Package	Drum №12a (1275x900x1275)/ Drum №14g (1455x1090x1455)
Tolerance, %	± 3
Short lengths (customer approval)	Maximum 5%
The accuracy of marking	$\pm 0,5$