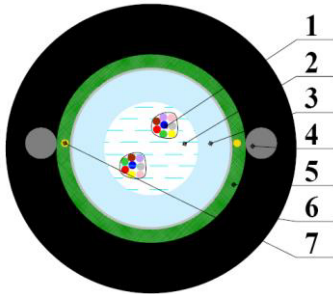




### Construction



- 1 Optical fibers
- 2 Thixotropic Water-Blocking Jelly
- 3 Central tube
- 4 Strength element - longitudinally placed steel wires
- 5 Armor of corrugated laminated steel tape
- 6 Outer shell - LSZH
- 7 Rip cord (on request)

### Cable properties

Geometric				
Number of fibers in cable	2	4	8	12
Cable diameter, mm	7,3	7,3	7,3	7,3
Cable weight, kg	75	75	76	76
Mechanical & Environmental				
Tensile strength during installation, kN	1,5			
Crush resistance, N/100 mm	3000			
Minimum bending radius, under/without force mm	15			
Operating temperature, °C	-40°C - +60°C			
Storage temperature, °C	-40°C - +60°C			
Installation temperature, °C	-10°C - +60°C			

### Optical characteristics

Optical fibers <sup>1</sup>	singlemode fibers acc. ITU-T G.652D / G.657A1 standards
Outer diameter (uncoloured), µm	240±0.5
Cladding diameter, µm	125±1.0
Core concentricity error, µm	≤ 0.5
Mode field diameter at:	
@ 1310 nm	9.2±0.4
@ 1550 nm	10.4±0.8
Attenuation, dB/km at:	
@ 1310 nm	0.36
@ 1550 nm	0.22
Chromatic dispersion, ps/(nm km):	
@ 1310 nm	3.5
@ 1550 nm	18
Link design value PMD <sub>Q</sub> *4, ps/√km	≤ 0.08
Proof test, GPa	≤ 0.69

### Colour coding acc. IEC 603043

No of fiber/tubes	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Green	Blue	Yellow	White	Grey	Brown	Purple	Cyan	Black	Orange	Pink
No of fiber/tubes	13	14	15	16	17	18	19	20	21	22	23	24
Colour	Red	Green	Blue	Yellow	White	Grey	Brown	Purple	Cyan	Black	Orange	Pink

<sup>3</sup> Other colour coding system (e.g. IEEE 802.8 FOTAG, ANSI/TIA 598-C) is available on customer's order