

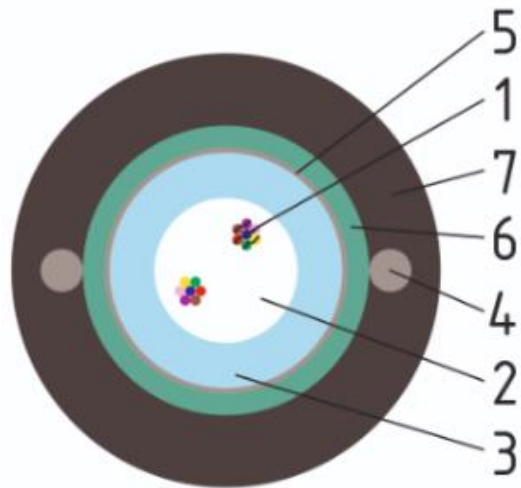


**Technical specification brand cable
Elsacor OBg-UT-004...008 G.652D 2700N**

Elsacor OBg-UT-004...008 G.652D 2700N is designed for installation in soils of all categories (without permafrost deformations), in cable sewers and pipelines on bridges and overpasses, in tunnels, collectors at the entrance to a building, including in places infested with rodents, as well as along the outer walls of buildings and structures. A waterproof tape is laid between the armor and the optical module. The 2.7 mm thick outer casing is made of UV-stabilized high-density polyethylene. To give additional strength to the structure, the outer shell has two steel wire reinforcements.

1.1 Fiber type	ITU-T G.652D single-mode optical fiber
1.2 Attenuation coefficient 1310 nm	0.36 dB/km
1550 nm	0.22 dB/km
1285-1330 nm	0.33 dB/km
1525-1625 nm	0.22 dB/km
1360-1480 nm	0.25 dB/km
1.3 Cutoff wavelength	≤ 1260 nm
1.4 The diameter of the mode field is 1310 nm	9.3 ± 0.5 μm
1550 nm	10.5 ± 1.0 μm
1.5 Shell diameter	125 ± 1 μm
1.6 Coating concentricity error	≤ 12 μm
1.7 Coverage error from round shape	no more than 0.7%
1.8 Cover diameter	245 ± 10 μm
1.9 Chromatic dispersion	
1285-1330 nm	≤ 3.0 ps/nm*km
1550 nm	18 ps/nm*km
1.10 Wavelength of zero dispersion	1312 ± 10 nm
1.11 Slope of zero variance	0.090 ps/nm ² *km
1.12 Polarization-mode dispersion	≤ 0.08

2.1 Maximum load during traction	2.7 kN
2.2 Maximum load during compression	3000 n/100 mm
2.3 Minimum bending radius, installation/operation	20Dcall
2.4 Maximum temperature, installation/operation	(+40/ +60) ^{at} WITH
2.5 Minimum temperature, installation/operation	(-10/ -30) ^{at} WITH
3.1 Number of fibers, pcs	from 4 to 8
3.2 Fiber type	ITU-T G.652D single-mode optical fiber
3.3 Number of modules, pcs	1
3.4 Power elements	Two steel wires
3.5 Colors of optical fibers	
1. blue 2. orange 3. dark green 4. brown 5. gray 6. white 7. red 8. black 9. yellow 10. purple 11. pink 12. light green	
3.6 Shell material	High density polyethylene (HDPE)
3.9 Geometric dimensions of the cable, mm (external dimensions)	4-8 fibers of 8.0 mm
3.10 Cable weight, kg/km	4-8 fibers of 60 kg/km
3.11 Construction length on the drum	4000 m
3.12 The weight of the cable drum is 4000m	265 kg 4 and 8 fiber
3.13 Dimensions of the drum	Diameter820 mm, width 800 mm



1. Optical fibers ITU-T G.652 D

2. Hydrophobic thixotropic placeholder.

3. Optical module

4. Power element-two steel galvanized wires, are located longitudinally

5. Water blocking layer -hydrophobic filling.

6. Armor -corrugated steel tape.

7. External shell-polyethylene average pressure.