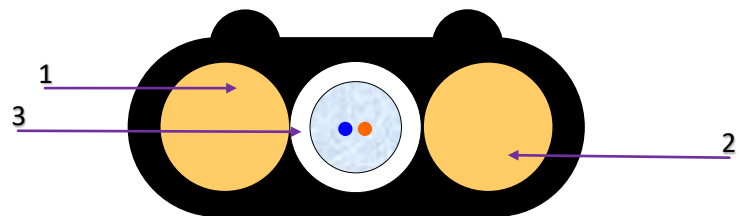


OPTOKON KABLE construction code:

Localisation cable

- The cable is designed to be used in detection systems, for the remote control of the areas, where is taken as a sensor
- The cable together with control and evaluation unit generate unique system designed to be used for monitoring and incident identification in the monitored areas. This system can be used for monitoring of various pipeline and cable systems, railway and road networks, various closed areas due to its versatility
- The cable's structure is adapted to the optimal and proper function of the detection systems. The structure of the cable with the acrylate multi-element secondary coating (buffer) with the optical fibers coated by the primary gel microlayer was designed based on the conclusions and results of the long-term tests



1. Black HDPE outer jacket
2. Strength member
3. Tube with fibers in thixotropic gel

Cable dimensions

Fiber count	Cable width (mm)	Cable height (mm)	Cable weight (kg/km)
1 - 12	4,2	7,4	3

Fiber colour coding

1	2
Blue	Orange

Mechanical & environmental properties

Test	Value	Test method
Tensile strength	1200 N	EN 60974-1-2-E1
Max. Compressive loading	2000 N	EN 60974-1-2-E3
Min. bend radius	not load	20 × OD
	load	30 × OD
Operating temperature range	-40 to +70°C	EN 60794-1-22-F1
Installation temperature range	-10 to +50°C	EN 60794-1-22-F1