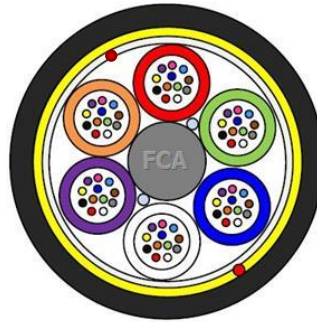


## FA-LOFC-ADSS

Fiber optic cable dedicated to aerial installations.



Cable cross-section view

### main features:

- multi-tube construction
- fiber type G.652D (optional G.657A1),
- peripheral strength elements in the form of aramid yarns,
- FRP central strength element,
- outer shell made of black high-density polyethylene (HDPE),
- two ripcords,
- max. span 60m (SAG 1%, wind speed 64km/h, ice thickness 6,3 mm)
- color of tube/fibers according with EIA/TIA 598,
- length on the drum 4 km (+/- 5%),
- length marker every 1 meter

### standards / certificates

- IEC 60793
- IEC 60794-1-2
- IEC-60304
- EIA/TIA 598
- ITU-T G.652D
- ITU-T G.657A1

## FA-LOFC-ADSS

### technical parameters:

FA-LOFC-ADSS	12	24	36	48	72	96	144
number of tubs/fillers	6			8			12
diameter of tube/filler [mm]	2,1±0,2						
outher sheath	HDPE						
sheath thickness [mm]	1,5±0,1						
fiber type	G.652D/G.657A1						
tensile strenght [N]	1800			2400			2700
crush [N] (for 1550 nm)	2000N/100mm $\Delta\alpha\leq 0,1$ dB/km, no damage						
diameter of cable [mm]	10±0,5			11,2±0,5			13,6±0,5
transport temp. [°C]	-40 do +70						
installation temp. [°C]	-10 do +60						
operational temp. [°C] (according with IEC 60794-1-2-F1, 1550nm)	-30 do +70 $\Delta\alpha\leq 0,1$ dB/km						
nominal weight [kg/km]	73			100			145
bending radius [mm]	10xD no tension/20xD under tension						
waterproof in accordance with IEC 60794-1-2-F5B,	sample 3 m, 1m water column, no leakage 24h						
tensile test in according with IEC 6074-1-2-E1 for 1550 nm	Sample not less than 50m fiber strain $\leq 0,33\%$ , $\Delta\alpha$ reversable, no outher sheath damage						
other parameters	according with IEC 60794-1						

### Color scheme for tubes/fibers:

No.	1	2	3	4	5	6	7	8	9	10	11	12
	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua
	