

## Fiber optic cable FiberHome 12F ADSS, unitube, diameter 5.2 mm, G.652D, 1.2 kN F-ADSS-UT.12J-2



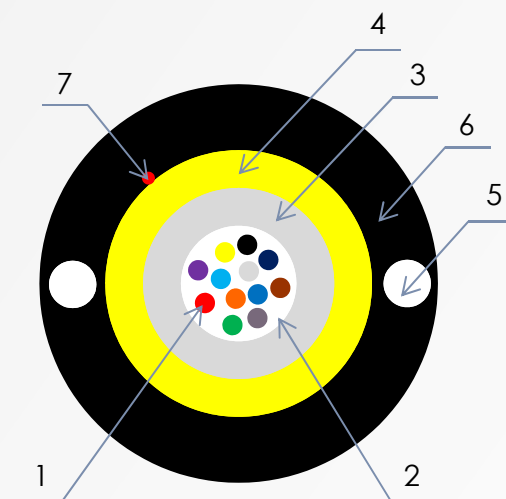
Fiber optic cable FIBERHOME F-ADSS-UT.12J-2 is a unitube structure cable designed for aerial installations (span up to 80 meters). It was reinforced with aramid yarns and two FRP (Fiber Reinforced Polymer) rods with a diameter of 0.6 mm. Fibers are located in a central tube filled with hydrophobic gel protecting them against moisture and vibrations. Black outer polyethylene (HDPE) jacket has a high density and impact strength. Cables are totally dielectric, UV radiation, humidity, low and high temperature resistant. Outer diameter of the cable is 5.2 mm and the maximum tensile strength is 1.2 kN. One ripcord has been used for easy removal of jacket. Optical fibers G.652D are compatible with G.657 standard. Fiber optic cable F-ADSS-UT.12J-2 can be successfully used also in duct systems.

Product ID	F-ADSS-UT.12J-2
Type of fibers	G.652D
Number of fibers	12
Number of tubes	1
Number of fibers in tube	12
Cable diameter [mm]	5.2
Tube diameter [mm]	2±0.2
FRP rod diameter	0.58
Weight [kg/km]	23

Table 1. Main parameters

	IEC standard	12J
Tensile strength [N]	IEC 60794-1-2-E1	1200
Crush resistance [N]	IEC 60794-1-2-E3	1000
Torsion resistance [N]	IEC 60794-1-2-E7	100 (5 cycles, +/-180°)
Minimum bending radius of cable [mm]	IEC 60794-1-2-E11	52
Temperature cycling test [°C]	IEC 60794-1-2-F1	-30~+70

Table 2. Mechanical properties



### Structure of cable:

- 1 – Optical fibers G.652D
- 2 – Hydrophobic gel
- 3 – Central tube
- 4 – Aramid yarns
- 5 – FRP rod (x2)
- 6 – HDPE jacket
- 7 – Ripcord

Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Green	Blue	White	Violet	Orange	Grey	Yellow	Brown	Pink	Black	Aquamarine

Table 3. Fiber optic colour coding

