

✓ Flat cables E-FTTX-01-04J, G.657, steel/FRP rod, span 50 m

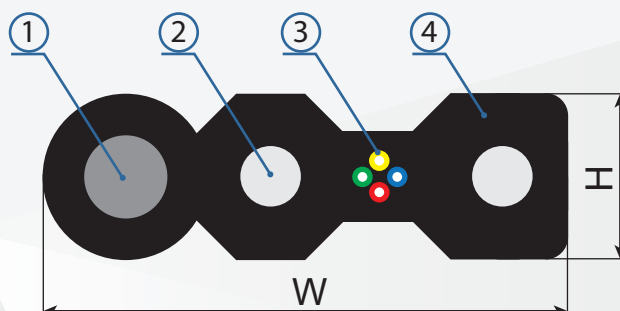


- LSOH outer jacket (black)
- UV - resistant
- FRP rods 0.4 mm (x2)
- Steel/FRP strength member 1 mm
- Optical fibers G.657
- Resistance to high and low temperatures

Technical data	Product ID	Number of fibers	Type of reinforcement	Dimensions WxH [mm]	Weight [kg/km]
	E-FTTX-01J	1	Steel rod (1 mm)	5x2	19.5
	E-FTTX-02J	2	Steel rod (1 mm)	5x2	20
	E-FTTX-04J	4	Steel rod (1 mm)	5x2	20
	E-FTTX-2J-FRP	2	FRP rod (1 mm)	5x2	15

Tab 1. Flat cables FTTX, steel/FRP rods, G.657

- Aerial installation, span 50 m
- Indoor installations
- Last mile
- FTTH networks



Construction of FTTX cables (example for 4F cable)

1 - Steel/FRP rod 1 mm, 2 - FRP rod (x2) 0.4 mm, 3 - Optical fibers 4 - LSOH outer jacket (black)

Mechanical parameters	IEC standard	FTTX 1F	FTTX 2F	FTTX 4F	FTTX 2F – FRP
Tensile Strength	IEC 794-1-E1	600 N			500 N
Crush resistance	IEC 794 -1-E3	1000 N/100mm			
Impact resistance	IEC 794 -1-E4	10 impacts, 5 Nm			
Repeated bending	IEC 794-1-E6	10 [cycles(15xD)], load 100 N			
Torsion resistance	IEC 794-1-E7	10 cycles, twist angle 180°, load 100 N			
Water penetration resistance	IEC 794-1-F5B	✓			
Abrasion resistance	IEC 794-1-E2	✓			
Temperature cycling test	IEC 794-1-F1	2 thermal cycles in the range of -40°C÷70°C			

Tab 2. Mechanical parameters for FTTX cables 1-4F, G.657

- Storage and transport temperature: -40°C ÷ 70°C
- Installation temperature: -20°C ÷ 55°C
- Operation temperature: -40°C ÷ 70°C

