

✓ Flat cables E-FTTX-01-08J, G.657A1, steel/FRP rod, span 50 m

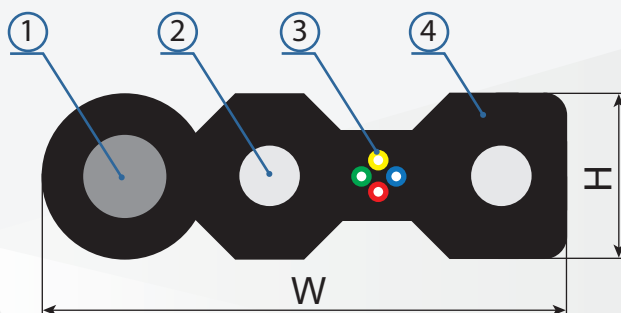


- LSOH outer jacket (black)
- UV - resistant
- FRP rods 0.4 mm (x2)
- Steel/FRP strength member 1 mm
- Optical fibers G.657A1
- Resistance to high and low temperatures

	Product ID	Number of fibers	Type of reinforcement	Dimensions WxH [mm]	Weight [kg/km]
Technical data	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-08J	8	Steel rod (1 mm)	5x2	20.5
	E-FTTX-2J-FRP	2	FRP rod (1 mm)	5x2	15

Tab 1. Fiber optic flat FTTX TELCOLINE cables 1-8F, steel/FRP rods, G.657A1

- 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 1-8F	FTTX 2F – FRP
Tensile Strength	IEC 794-1-E1	600N	500N
Crush resistance	IEC 794 -1-E3	1000N/100mm	
Impact resistance	IEC 794 -1-E4	10 impacts, 5 Nm	
Repeated bending	IEC 794-1-E6	10 [cycles(15xD)], load 100N	
Torsion resistance	IEC 794-1-E7	10 cycles, twist angle 180°, load 100N	
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 1-8F, G.657A1

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

