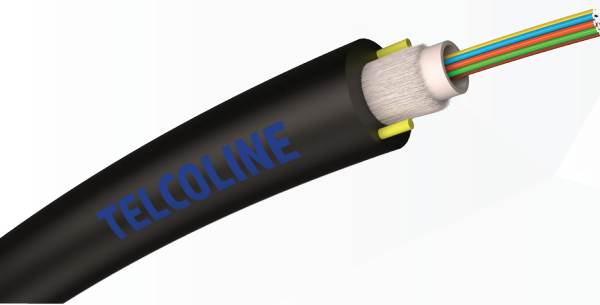


✓ Fiber optic universal cables A-UN-UT.02-24J, 1-1.2kN, unitube G.652D/G.657



- HDPE jacket (black)
- Dielectric, unitube structure
- UV, water resistant
- Chemical resistant
- Resistance to substances occuring in duct systems
- Reinforced by glass fibers
- Reinforced by two FRP rods
- Hydrophobic gel in tube
- Optical fibers G.652D/G.657

Applications:

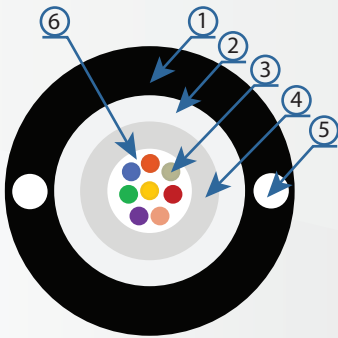
- Duct systems ➤ Aerial Installations (span up to 60 m) ➤ Distribution networks ➤ Campus networks

Technical data	Product ID	Number of fibers	Cable diameter [mm]	Tube diameter [mm]	Type of fiber	Weight [kg/km]
	A-UN-UT.02J	2	5	2	G.657	23
	A-UN-UT.04J	4	5	2	G.652D	23
	A-UN-UT.08J	8	5	2	G.652D	23
	A-UN-UT.12J-2	12	5	2	G.652D	23
	A-UN-UT.12J	12	6.8	3.2	G.652D	29
	A-UN-UT.24J	24	6.2	3	G.652D	27

Table 1. Fiber optic universal cables TELCOLINE, unitube 2-24F, 1-1.2kN, G.652D/G.657

STRUCTURE OF CABLE (example for 8F)

- 1 - HDPE jacket
- 2 - Fiberglass
- 3 - Optical fibers G.652D
- 4 - Tube with fibers
- 5 - FRP rod 0.6 mm (x2)
- 6 - Hydrophobic gel



- Storage and transport temperature: -40°C + 70°C
- Installation temperature: -30°C + 60°C
- Operation temperature: -40°C + 70°C

According to standards: IEC 60793-1, IEC 60793-2, IEC 60794-4-20

Mechanical parameters	IEC standard	Cables 2-12F, 5.2 mm	Cable 12F, 6.8 mm	Cable 24F, 6.2 mm
Tensile Strength	IEC 794-1-E1	1000N	1200N	1100N
Crush resistance	IEC 794 -1-E3	2000N/100 mm		
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		
Temperature Cycling Test	IEC 794-1-F1	2 thermal cycles in the range of -40°C~70°C		

Table 2. Mechanical parameters of fiber optic universal cables TELCOLINE, unitube 2-24F, 1-1.2kN, G.652D/G.657

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

Table 3. Fiber optic and tubes color coding

