



Code: RG 11 / U-6 Cu / Cu / H **Standard:** TSE / TS EN 50117-9-2

RG : Radio Frequency
11 : Wire Diameter
U-6 : Screening
Cu/Cu : Copper Conductor / Copper Foil, Copper Wire Braid
H : HFFR / LSZH Sheath (Low smoke density, halogen-free)

Technical Properties

Conductor Diameter : 1,63±0,02 mm
 Insulation Diameter : 7,2±0,2 mm
 First Screen : CU-PET Foil (% 100 Coverage)
 Second Screen : Copper Wire Braid
 Overall Diameter : 10,0±0,3 mm
 Sheath Colour : White
 Sheath Material : HFFR / LSZH Sheath
 Net Weight : 108 kg/km ±%3
 Package : 100 - 300 m Coil / 500 - 1000 m Drum

Electrical Properties

Impedance : 75±3 Ohm
 Nominal Capacitance : 54±2 pF/m (Conductor/Screen)
 Velocity of Prop. : %82±2
 Insulation Resistance : 2000 Mohm x km (Min.)
 Test Voltage (AC 50 Hz) : 3000 V / 1 Minutes
 Operating Temperature : -40°C, +70°C
 Min. Bending Radius : 10 x D (mm) (D:Overall Diameter)
 Class of Screen : Class C
 CPR Fire Class : Euro - Class E

Construction

- 1- Conductor : Solid Annealed Copper (TS EN 60228 Class 1)
- 2- Insulation : Foam Skin Polyethylene (TS EN 50290-2-37)
- 3- First Screen : One Side Copolyedmer Coated Aluminum Foil (%100 Coverage)
- 4- Second Screen : Thin Copper Wire
- 5- Outer Sheath : HFFR / LSZH Sheath With White Colour (TS EN 50290-2-27)

Applications

Used in indoor CATV (Cable TV) systems, individual - central antenna and satellite distribution systems, CCTV camera security systems.

Attenuation (Max)

| Mhz | | | | | | | |
|----------|-----|-----|------|------|------|------|------|
| 5 | 200 | 400 | 800 | 1000 | 2150 | 2400 | 3000 |
| dB/100 m | | | | | | | |
| 1,8 | 6,7 | 9,5 | 13,5 | 15,3 | 23,0 | 25,6 | 29,9 |

Return Loss (Min)

| Mhz | | | |
|-------|----------|-----------|-----------|
| 5-470 | 470-1000 | 1000-2000 | 2000-3000 |
| dB | | | |
| >23 | >20 | >18 | >16 |