



Code: RG 59 / U-6 Cu / Cu / H **Standard:** TSE / TS EN 50117-9-2

RG : Radio Frequency
59 : 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 : 0,81±0,02 mm
 Insulation Diameter : 3,7±0,2 mm
 First Screen : CU-PET Foil (% 100 Coverage)
 Second Screen : Copper Wire Braid
 Overall Diameter : 5,8±0,2 mm
 Sheath Colour : White
 Sheath Material : HFFR / LSZH Sheath
 Net Weight : 41 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) : 2500 V / 1 Minutes
 Operating Temperature : -40°C, +70°C
 Min. Bending Radius : 10 x D (mm) (D:Overall Diameter)
 Class of Screen : Class B
 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							
2,85	12,3	17,2	24,3	28,1	40,1	45,0	48,2

Return Loss (Min)

Mhz			
5-470	470-1000	1000-2000	2000-3000
dB			
>20	>18	>16	>15