



**Code:** RG 59 / U-4 Cu / Al / H **Standard:** TSE / TS EN 50117-9-2

**RG** : Radio Frequency  
**59** : Wire Diameter  
**U-4** : Screening  
**Cu/Al** : Copper Conductor / Aluminum Foil, Aluminum 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 : AL-PET Foil (% 100 Coverage)  
 Second Screen : Aluminum Wire Braid  
 Overall Diameter : 5,8±0,2 mm  
 Sheath Colour : White  
 Sheath Material : HFFR / LSZH Sheath  
 Net Weight : 36 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 : Aluminum Wire Braid
- 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