



Applications

The RG 6 indoor coaxial cable with double shielding is ideal for signal transmission of TV, satellite, Internet and CCTV systems indoors. The double shielding ensures stable signal quality and reliably protects against electromagnetic interference.

Technical data

Inner conductor	Cu wire
Inner conductor $\varnothing$	1,00 mm
Dielectric	Polyethylene (PEG)
Dielectric $\varnothing$	4,60 mm
Foil	Al/Pet/Al
Braid	Tinned copper wires (CuSn), coverage 54 %
Outer sheath	Polyvinylchloride (PVC) (white)
Outer diameter	6,60 mm
Total weight of cable	40,4 kg/km
Bending radius	Single: 35 mm, repeated: 70 mm
Standards	EN 50117-9-2, EN 50575 (fire class Eca)

Electrical characteristics

Impedance	75 Ω										
Capacitance	54 pF/m										
Velocity ratio	82 %										
Inner conductor resistance	22,5 Ω /km										
Outer conductor resistance	18,6 Ω /km										
Temperature range	-20 °C to +70 °C										
Sheath insulation voltage	3,0 kV										
Screening attenuation Class A	30 – 1000 MHz: $\geq$ 85 dB 1000 – 2000 MHz: $\geq$ 75 dB 2000 – 3000 MHz: $\geq$ 65 dB										
Nom. attenuation	<table> <tr> <td>5 MHz: 1,80 dB</td><td>1000 MHz: 20,60 dB</td></tr> <tr> <td>50 MHz: 4,60 dB</td><td>1750 MHz: 27,80 dB</td></tr> <tr> <td>200 MHz: 8,90 dB</td><td>2150 MHz: 31,00 dB</td></tr> <tr> <td>470 MHz: 13,90 dB</td><td>2400 MHz: 32,90 dB</td></tr> <tr> <td>862 MHz: 19,10 dB</td><td>3000 MHz: 37,10 dB</td></tr> </table>	5 MHz: 1,80 dB	1000 MHz: 20,60 dB	50 MHz: 4,60 dB	1750 MHz: 27,80 dB	200 MHz: 8,90 dB	2150 MHz: 31,00 dB	470 MHz: 13,90 dB	2400 MHz: 32,90 dB	862 MHz: 19,10 dB	3000 MHz: 37,10 dB
5 MHz: 1,80 dB	1000 MHz: 20,60 dB										
50 MHz: 4,60 dB	1750 MHz: 27,80 dB										
200 MHz: 8,90 dB	2150 MHz: 31,00 dB										
470 MHz: 13,90 dB	2400 MHz: 32,90 dB										
862 MHz: 19,10 dB	3000 MHz: 37,10 dB										