DATASHEET

RG 6 outdoor coaxial cable double shielded

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Applications

The double shielded 75 Ohm coaxial cable is suitable for outdoor signal transmission, e.g. for SAT, TV or CCTV. The weatherproof design provides reliable protection against moisture and interference.

Technical data

Inner conductor	Cu wire
Inner conductor ⌀	1,00 mm
Dielectric	Polyethylene (PEG)
Dielectric ⌀	4,60 mm
Foil	Al/Pet/Al
Braid	Tinned copper wires (CuSn), coverage 54 %
Outer sheath	Polyethylene (PE) (black)
Outer diameter	6,60 mm
Total weight of cable	35,0 kg/km
Bending radius	Single: 35 mm, repeated: 70 mm
Standards	EN 50117-9-2, EN 50575

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	-25 °C to +80 °C	
Sheath insulation voltage	3,0 kV	
Screening attenuation Class A	30 – 1000 MHz: ⩾ 85 dB 1000 – 2000 MHz: ⩾ 75 dB 2000 – 3000 MHz: ⩾ 65 dB	
Nom. attenuation	5 MHz: 1,80 dB 50 MHz: 4,60 dB 200 MHz: 8,90 dB 470 MHz: 13,90 dB 862 MHz: 19,10 dB	1000 MHz: 20,60 dB 1750 MHz: 27,80 dB 2150 MHz: 31,00 dB 2400 MHz: 32,90 dB 3000 MHz: 37,10 dB