

RG 11/U 75Ω



Construction:

- **Inner Conductor** : tinned copper, multi wire stranded, diameter 1,17 mm, 7 x 0,39 mm
- **Insulation (dielectric)**: polyethylene, external
- **External conductor**: copper wires braid, 96% optical covering
- **Sheath**: PVC, external diameter 10,1 ± 0,2 mm
- **sheath colour**: black

Technical Data :

Temperature range:

- during installation: -15 °C up to +55 °C
- operating temp.: -40 °C up to +85 °C

Min. inner bending radius:

- without load: 5D (50 mm)
- under load: 10D (100 mm)

Behavior in fire: IEC 60332-1

Maximal tensile strength: 345 N

Cable weight: 137 kg/km

Design Standard

US Standard MIL -C - 17

Electrical Data:

Frequency range	F max.	[GHz]	3
Insulation resistance	R iso	[MOhm/km]	10000
Impedence	ZL	[Ohm]	75 +/-3
Attenuation	100 MHz	[dB / 100 m]	7.7
Capacitance	C	[NF/km]	67
Rel. velocity ratio	V rel	%	67
Electric strength	50 Hz	[KV] eff.	10
Operating peak voltage		[kV]	5.2

Application:

Coaxial cables are applied for broadband transmission of radio, TV, video and data signals. Applicable up to GHz-a level, with low attenuation and low signal distortion. RG11 coaxial cable is applied for inst. in video surveillance systems, but can be also used for larger distances. Foamed polyethylene of low dielectric constant enables high-speed signal diffusion, and good flexibility at installation. Permitted only indoor application, exceptionally also outdoor, under protection against sunlight.

Frequency	Attenuation at 20 °C	Max. permitted strength (at outdoor temperature of 25 °C and max. conductor temperature of 70 °C)
MHz	dB/100	W
10	1.8	2800
100	6.5	810
200	9.8	450
400	14.1	370
800	22.5	65
1000	25.2	40

