


U.I. Lapp GmbH	PRODUCT INFORMATION	
	Coaxial - RG	12.09.2012

Coaxial cables allow distortion-free and low-attenuation transmission of signals with a high bandwidth.
High frequencies



Application range

For applications with limited movements and for fixed installation in dry or damp interiors and outdoors
For radio and computer systems, as well as all applications related to commercial radio-frequency technology and electronics

Design

Coaxial cables are significantly less sensitive to external interference due to their structure.

Product features

Flame-retardant according to IEC 60332-1-2

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Dielectric constant:

- Polyethylene (PE) 2.3
- Polyethylene, hollow (PE-ho) 1.5
- Polytetrafluoroethylene (PTFE) 2.1

Minimum bending radius:

Fixed installation: 6 x outer diameter

Temperature range:

- Fixed installation: PE outer sheath:
-40°C to +80°C
- Fixed installation: PVC outer sheath:
-40°C to +80°C
- Fixed installation: fluoroplastic
-55°C to +250°C

Specifications and approvals:


Similar to MIL C-17F

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Part number	Article designation	Characteristic impedance in ohm	Attenuation approx. dB/100 m at 200 MHz/400 MHz	Propagation rate (%)	Test voltage (kV)	Internal Ø	Dielectric Ø	Outer cable sheath	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Protects the cable from damage											
2170000	RG-58 C/U	50 +/- 2 Ω	24 / 33	66	5.0	0.9	2.95	PVC	4,95	19.1	38
2170001	RG-174 A/U	50 +/- 2 Ω	40 / 59	66	2.0	0.48	1.52	PVC	2,8	5.4	12
2170002	RG-178 B/U	50 +/- 2 Ω	63 / 93	70	2.0	0.3	0.86	FEP	1,91	4.4	9
2170003	RG-188 A/U	50 +/- 2 Ω	47 / 56	70	2.0	0.51	1.52	PTFE	2,76	8.3	17.5
2170005	RG-213 /U	50 +/- 2 Ω	10 / 15	66	10.0	2.25	7.25	PVC	10,3	75.8	157
2170006	RG-214 /U	50 +/- 2 Ω	9 / 14	66	10.0	2.25	7.25	PVC	10,8	117.8	207
2170007	RG-223 /U	50 +/- 2 Ω	23 / 34	66	3.0	0.89	2.95	PVC	5,5	38.5	60
Characteristic impedance: 75 ohm											
2170016	RG-6 A/U	75 +/- 3 Ω	14 / 20	66	5.0	0.72	4.7	PVC	8,4	72.0	120
2170009	RG-11 A/U	75 +/- 3 Ω	11 / 16	66	10.0	1.2	7.3	PVC	10,3	55.5	140
2170011	RG-11 A/U outdoor	75 +/- 3 Ω	11 / 16	66	10.0	1.2	7.3	PVC	12,1	55.5	170
2170012	RG-59 B/U	75 +/- 3 Ω	16.5/23	66	7.0	0.6	3.7	PVC	6,15	25.0	57
2170010	RG-187 A/U	75 +/- 3 Ω	47 / 56	70	2.0	0.31	1.52	PTFE	2,8	7.3	17
Characteristic impedance: 100 Ohm											
2170008	RG-62 A/U	93 +/- 5 Ω	15 / 19	75	2.0	0.65	3.7	PVC	6,15	24.0	52

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