Coaxial - RG

Benefits

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

Application range

- For limited flexible use and or for static laying in dry and damp interiors and in open air
- For radio- and computer systems as well as the entire filed of commercial radio-frequency technology ans electronics

Product features

- Flame retardant according to IEC 60332-1-2

Approvals (Norm references)

RoHS

Design

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

Technical data

Dielectric constant

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

Minimum bending radius
Fixed installed: 6 x outer diameter

Range of temperature
Fixed installation: PE outer sheath:
-40°C up to +80 °C
Fixed installation: PVC outer sheath:
-40°C up to +80°C
fixed installation: fluorinated polymer
-55°C up to +250°C

Specifications and approvals
Similar to MIL C-17F

Part number	Article designation	Characteristic impedance Ohm	Capacity pF/m	Attenuation approx. dB/100m at 200 MHz / 400 MHz	Propagation rate %	Operating voltage 50 Hz eff. kV	Test voltage kV	Inner conductor material	Internal Ø	Dielectric material	Dielectric Ø	Outer conductor material	Outer cable sheath	Outer diameter mm	Copper index kg/km	Weight kg/km approx.
2170000	RG-58 C/U	50 +/- 2 Ω	101	24 / 33	66	2.0	5.0	CuLivz	0.90	PE	2.95	Cvz	PVC	4.95	19.1	38.0
2170001	RG-174 A/U	50 +/- 2 Ω	101	40 / 59	66	1.5	2.0	StCuLibl	0.48	PE	1.52	Cvz	PVC	2.80	5.4	12.0
2170002	RG-178 B/U	50 +/- 2 Ω	95	63 / 93	70	0.7	2.0	StCuLivs	0.30	PTFE	0.86	Cvs	FEP	1.91	4.4	9.0
2170003	RG-188 A/U	50 +/- 2 Ω	95	47 / 56	70	1.5	2.0	StCuLivs	0.51	PTFE	1.52	Cvs	PTFE	2.76	8.3	17.5
2170005	RG-213 /U	50 +/- 2 Ω	101	10 / 15	66	5.0	10.0	CuLibl	2.25	PE	7.25	Cbl	PVC	10.30	75.8	157.0
2170006	RG-214 /U	50 +/- 2 Ω	101	9 / 14	66	5.0	10.0	CuLivs	2.25	PE	7.25	CvsCvs	PVC	10.80	117.8	207.0
2170007	RG-223 /U	50 +/- 2 Ω	101	23 / 34	66	2.0	3.0	CuMvs	0.89	PE	2.95	CvsCvs	PVC	5.50	38.5	60.0
2170016	RG-6 A/U	75 +/- 3 Ω	67	14 / 20	66	2.0	5.0	StCuMbl	0.72	PE	4.70	Cbl	PVC	8.40	72.0	120.0
2170009	RG-11 A/U	75 +/- 3 Ω	67	11 / 16	66	5.0	10.0	CuLivz	1.20	PE	7.30	Cbl	PVC	10.30	55.5	140.0
2170011	RG-11 A/U outdoor	75 +/- 3 Ω	67	11 / 16	66	5.0	10.0	CuLivz	1.20	PE	7.30	Cbl	PVC	12.10	55.5	170.0
2170012	RG-59 B/U	75 +/- 3 Ω	67	16,5 / 23	66	1.7	7.0	StCuMbl	0.60	PE	3.70	Cbl	PVC	6.15	25.0	57.0
2170010	RG-187 A/U	75 +/- 3 Ω	65	47 / 56	70	1.5	2.0	StCuLivs	0.31	PTFE	1.52	Cvs	PTFE	2.80	7.3	17.0
2170008	RG-62 A/U	93 +/- 5 Ω	43	15 / 19	75	0.8	2.0	StCuMbl	0.65	PE-hollow	3.70	Cbl	PVC	6.15	24.0	52.0

Copper price basis: EUR 150 / 100 kg; For utilization and definition of ‚Metal price basis' and ‚Metal index' see Appendix T17
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths