Coaxial - RG

Fixed installation and conditional flexible use in dry or damp interiors and outdoors. Temperature range from -55 °C to +250 °C



- Mechanical and plant engineering
- Suitable for outdoor use
- Heat-resistant
- Cold-resistant
- UV-resistant

Benefits

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

Product features

Flame-retardant

Product Make-up

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

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000019 ETIM 5.0 Class-Description: Coaxial cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000019 ETIM 6.0 Class-Description: Coaxial cable
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
Specifications and approvals:	Similar to MIL-DTL17 H
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

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

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Article number	Article designation	Characteristic impedance in ohm	Capacity pF/m	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)
Characteristic impedance: 50 ohm															
2170000	RG-58 C/U	50 +/- 2 Ω	101	66	2	5	CuLivz	0.9	PE	2.95	Cvz	PVC	4.95	19.1	38
2170001	RG-174 A/U	50 +/- 2 Ω	101	66	1.5	2	StCuLibl	0.48	PE	1.52	Cvz	PVC	2.8	5.4	12
2170002	RG-178 B/U	50 +/- 2 Ω	95	70	0.7	2	StCuLivs	0.3	PTFE	0.86	Cvs	FEP	1.91	4.4	9
2170003	RG-188 A/U	50 +/- 2 Ω	95	70	1.5	2	StCuLivs	0.51	PTFE	1.52	Cvs	PTFE	2.76	8.3	17.5
2170005	RG-213 /U	50 +/- 2 Ω	101	66	5	10	CuLibl	2.25	PE	7.25	Cbl	PVC	10.3	75.8	157
2170006	RG-214 /U	50 +/- 2 Ω	101	66	5	10	CuLivs	2.25	PE	7.25	CvsCvs	PVC	10.8	117.8	207
2170007	RG-223 /U	50 +/- 2 Ω	101	66	2	3	CuMvs	0.89	PE	2.95	CvsCvs	PVC	5.5	38.5	60
Characteristic impedance: 75 ohm															
2170016	RG-6 A/U	75 +/- 3 Ω	67	66	2	5	StCuMbl	0.72	PE	4.7	Cbl	PVC	8.4	72	120
2170009	RG-11 A/U	75 +/- 3 Ω	67	66	5	10	CuLivz	1.2	PE	7.3	Cbl	PVC	10.3	55.5	140
2170011	RG-11 A/U outdoor	75 +/- 3 Ω	67	66	5	10	CuLivz	1.2	PE	7.3	Cbl	PVC	12.1	55.5	170
2170012	RG-59 B/U	75 +/- 3 Ω	67	66	1.7	7	StCuMbl	0.6	PE	3.7	Cbl	PVC	6.15	25	57
2170010	RG-187 A/U	75 +/- 3 Ω	65	70	1.5	2	StCuLivs	0.31	PTFE	1.52	Cvs	PTFE	2.8	7.3	17
Characteristic impedance: 100 Ohm															
2170008	RG-62 A/U	93 +/- 5 Ω	43	75	0.8	2	StCuMbl	0.65	PE hollow	3.7	Cbl	PVC	6.15	26	52

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