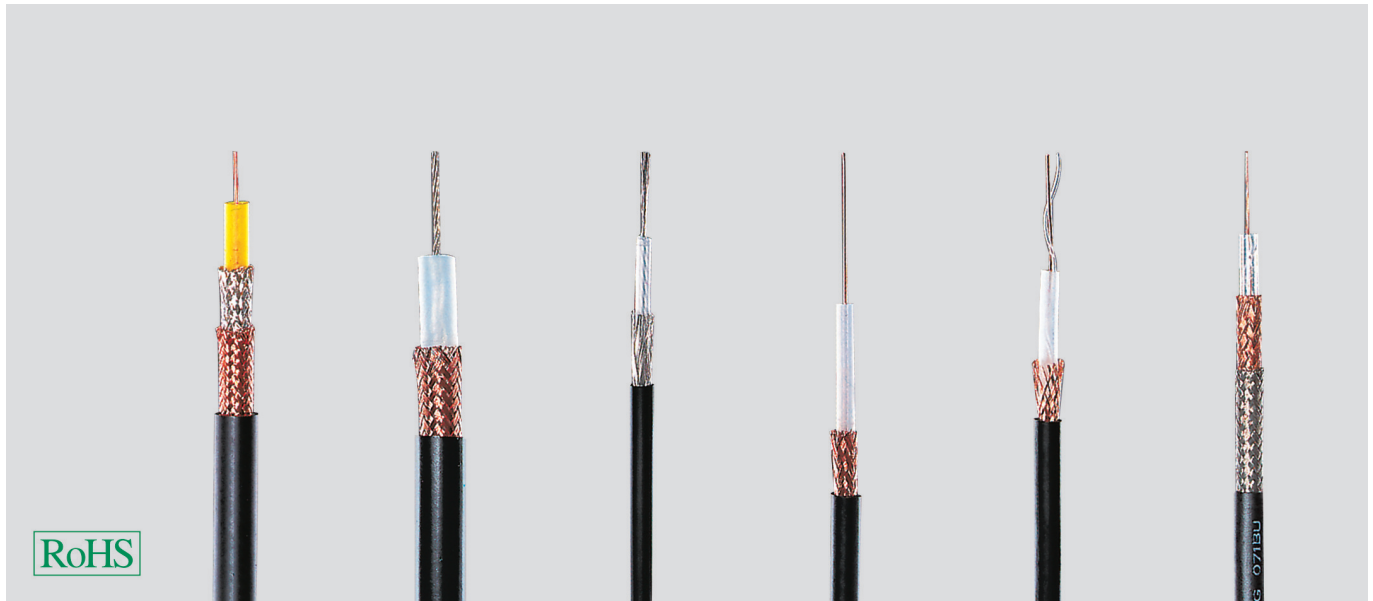


RG-Coaxial Cables



Type	RG 6 A/U	RG 11 A/U	RG 58 C/U	RG 59 B/U	RG 62 A/U	RG 71 B/U
Part no.	40001	40002	40003	40004	40005	40006
Cable structure						
Inner conductor Ø mm	1 x 0,7	7 x 0,4	19 x 0,2	1 x 0,6	1 x 0,6	1 x 0,6
	Steel/copper, bare	Tinned copper	Tinned copper	Steel/copper, bare	Steel/copper, bare	Steel/copper, bare
Insulation Ø mm	4,7 PE	7,3 PE	2,95 PE	3,7 PE	3,7 PE, hollow	3,7 PE, hollow
Outer conductor	2 braids	Braid	Braid	Braid	Braid	2 braids
	Silvered copper	Copper, bare	Tinned copper	Copper, bare	Copper, bare	Copper, bare
	Copper, bare	-	-	-	-	Tinned copper
Outer sheath	PVC	PVC	PVC	PVC	PVC	PVC
Min. bending radius app. mm	40	50	25	30	30	30
Temperature range °C	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-50 to +70
Copper weight kg/km	72,0	58,0	29,0	28,0	28,0	48,0
Outer Ø app. mm	8,4	10,3	5,0	6,2	6,2	6,2
Weight app. kg / km	115	140	38	57	52	62
Electrical characteristics						
Impedance (Ohm)	75 ± 3	75 ± 3	50 ± 2	75 ± 3	93 ± 5	93 ± 3
Frequency range						
f (max.) GHz	3	3	3	3	3	3
Propagation velocity v/c	0,7	0,7	0,7	0,7	0,8	0,8
Attenuation at 20°C (db/100m)						
100 MHz	8,8	7,5	17	11,5	10,5	10,5
200 MHz	13,5	11	24	16,5	15	15
500 MHz	21	18,5	39	27	24,5	24,5
800 MHz	27,5	24	51	35	32,5	32,5
1000 MHz	-	30	56	41	35	-
1350 MHz	-	-	-	-	-	-
1750 MHz	-	-	-	-	-	-
Capacitance pF/m	67	67	101	67	42,5	42,5
Rel. velocity of propagation %	67	67	67	67	83	83
Insulation resistance						
MOhm x kmm.in.	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance						
max. (Ohm/km)	110	23	53	171	155	136
Nominal peak voltage kVs	3	5	2	4	1	2
Dielectric strength						
50 Hz kV eff	7	10	5	7	3	3
	-	-	-	-	-	-

Dimensions and specifications may be changed without prior notice. (RM01)

Note

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.
- RG-Coaxial types are in accordance with US-Military specifications MIL-C-17.
- RG/U: R=Radio, G=Guide, U=Utility

Application

Coaxial cables are used in high frequency transmission, especially for transmitters and receivers, computers, radio and TV transmissions. The varied mechanical, thermal and electronic properties of Coaxial cables mean that they can be used up into the GHz levels, as per cable type.