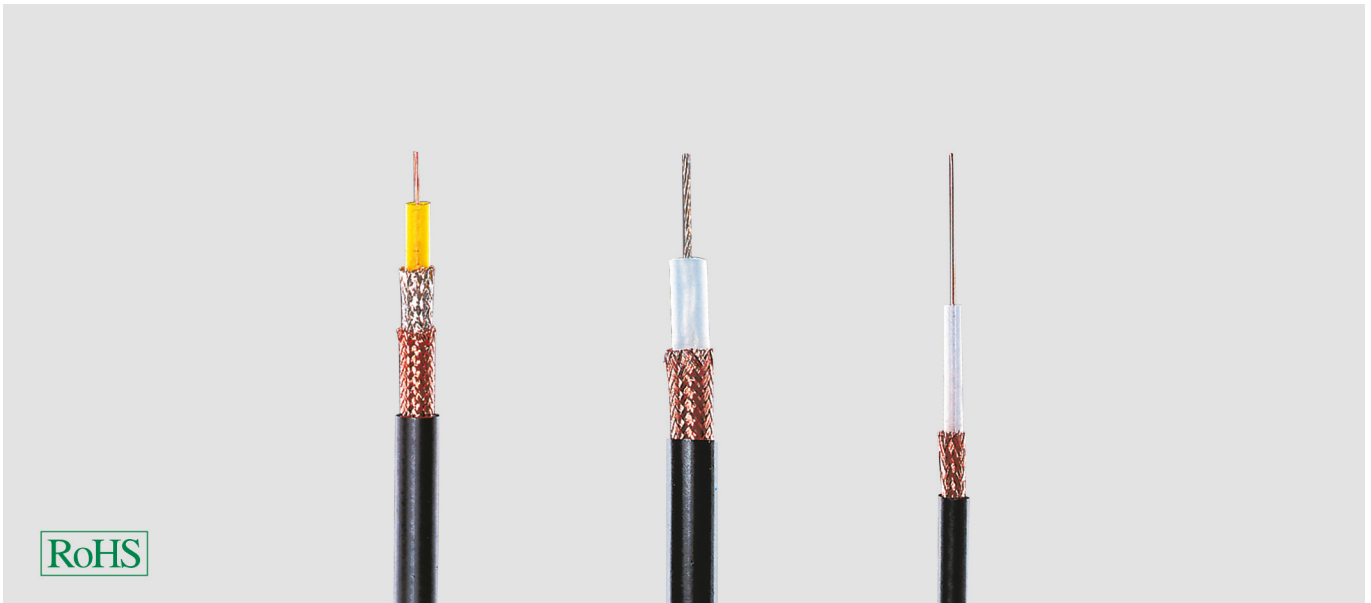


RG-Coaxial Cables



Type	RG 6 A/U	RG 11 A/U	RG 59 B/U
Part no.	40001	40002	40004
Cable structure			
Inner conductor Ø mm	1 x 0,7 Steel/copper, bare	7 x 0,4 Tinned copper	1 x 0,6 Steel/copper, bare
Insulation Ø mm	4,7 PE	7,3 PE	3,7 PE
Outer conductor	2 braids Silvered copper Copper, bare	Braid Copper, bare	Braid Copper, bare
Outer sheath	PVC	PVC	PVC
Min. bending radius app. mm	40	50	30
Temperature range °C	-35 to +80	-35 to +80	-35 to +80
Copper weight kg/km	72,0	58,0	28,0
Outer Ø app. mm	8,4	10,3	6,2
Weight app. kg / km	115	140	57
Electrical characteristics			
Impedance (Ohm)	75 ± 3	75 ± 3	75 ± 3
Frequency range			
f (max.) GHz	3	3	3
Propagation velocity v/c	0,7	0,7	0,7
Attenuation at 20°C (db/100m)			
100 MHz	8,8	7,5	11,5
200 MHz	13,5	11	16,5
500 MHz	21	18,5	27
800 MHz	27,5	24	35
1000 MHz	-	30	41
1350 MHz	-	-	-
1750 MHz	-	-	-
Capacitance pF/m	67	67	67
Rel. velocity of propagation %	67	67	67
Insulation resistance MΩ x kmmin.	10 ⁵	10 ⁵	10 ⁵
Loop resistance max. (Ω/km)	110	23	171
Nominal peak voltage kVs	3	5	4
Dielectric strength 50 Hz kV eff	7	10	7
	-	-	-

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.