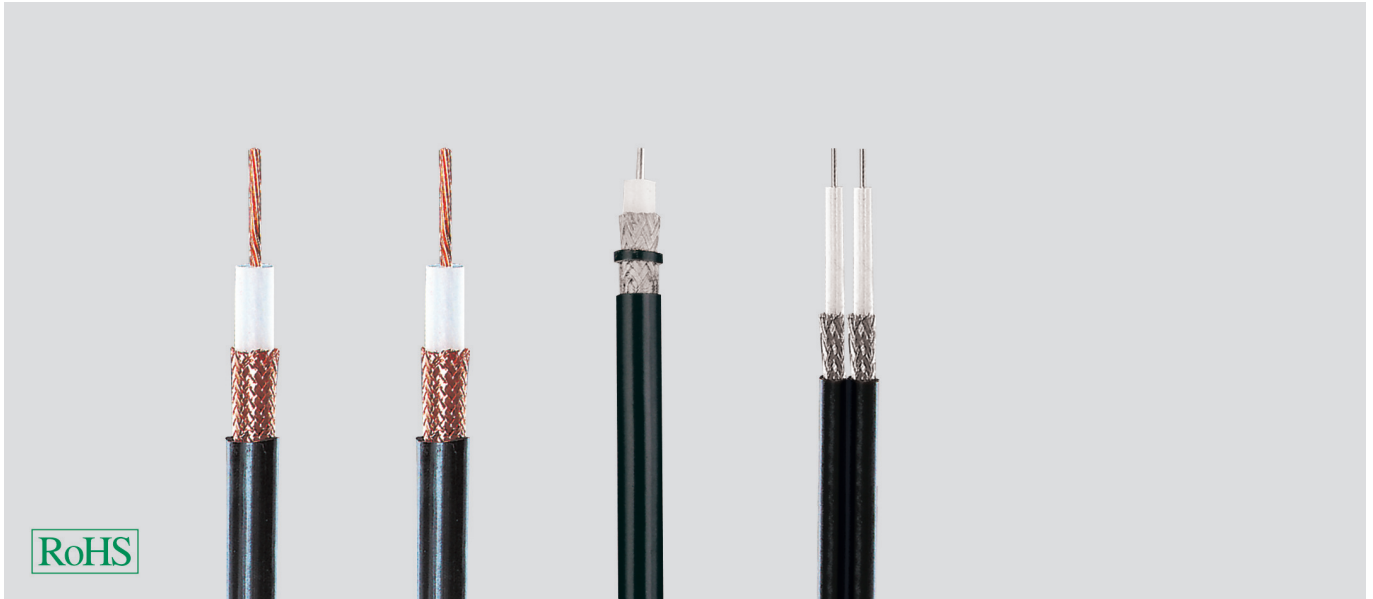


RG-Coaxial Cables



Type	RG 213	RG 213 LL	RG 214 U	RG 59 B/U TWIN
Part no.	40012	400168	40011	400190
Cable structure				
Inner conductor Ø mm	7 x 0,8 Copper, bare	7 x 1 Copper, bare	7 x 0,8 Silvered copper	7 x 0,6 Steel/copper, bare
Insulation Ø mm	7,24 PE	7,25 Cell PE, foamed	7,24 PE	3,7 PE
Outer conductor	Braid Copper, bare	foil Copper, bare	2 braids 2x silvered copper	Braid Copper, bare
Outer sheath	PVC	PVC	PVC	PVC
Min. bending radius app. mm	50	50	50	30
Temperature range °C	-35 to +80	-35 to +80	-35 to +80	-20 to +70
Copper weight kg/km	85,0	89,0	120,0	46,0
Outer Ø app. mm	10,3	10,2	10,8	12,6
Weight app. kg / km	159	166	198	102

Electrical characteristics				
Impedance (Ohm)	50 ± 2	50 ± 3	50 ± 2	75 ± 3
Frequency range				
f (max.) GHz	3	3	11	3
Propagation velocity v/c	0,7	0,8	0,7	0,7
Attenuation at 20°C (db/100m)				
100 MHz	7	4,3	7	11,1
200 MHz	10,2	5,8	10,2	16,8
500 MHz	17	9,6	17	27
800 MHz	23	12,9	23	35,1
1000 MHz	-	15	-	39,2
1350 MHz	-	-	-	-
1750 MHz	-	-	-	-
Capacitance pF/m	101	82	101	67
Rel. velocity of propagation %	100	67	67	67
Insulation resistance MΩm x kmmin.	10 ⁵	-	10 ⁵	-
Loop resistance max. (Ohm/km)	10	10	10	10
Nominal peak voltage kVs	5	0	5	0
Dielectric strength 50 Hz kV eff	10	0	10	0
	-	-	-	-

Dimensions and specifications may be changed without prior notice.

Note

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.
- The colour outer sheath at PTFE is brown or transparent as per production outlet.
- 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.