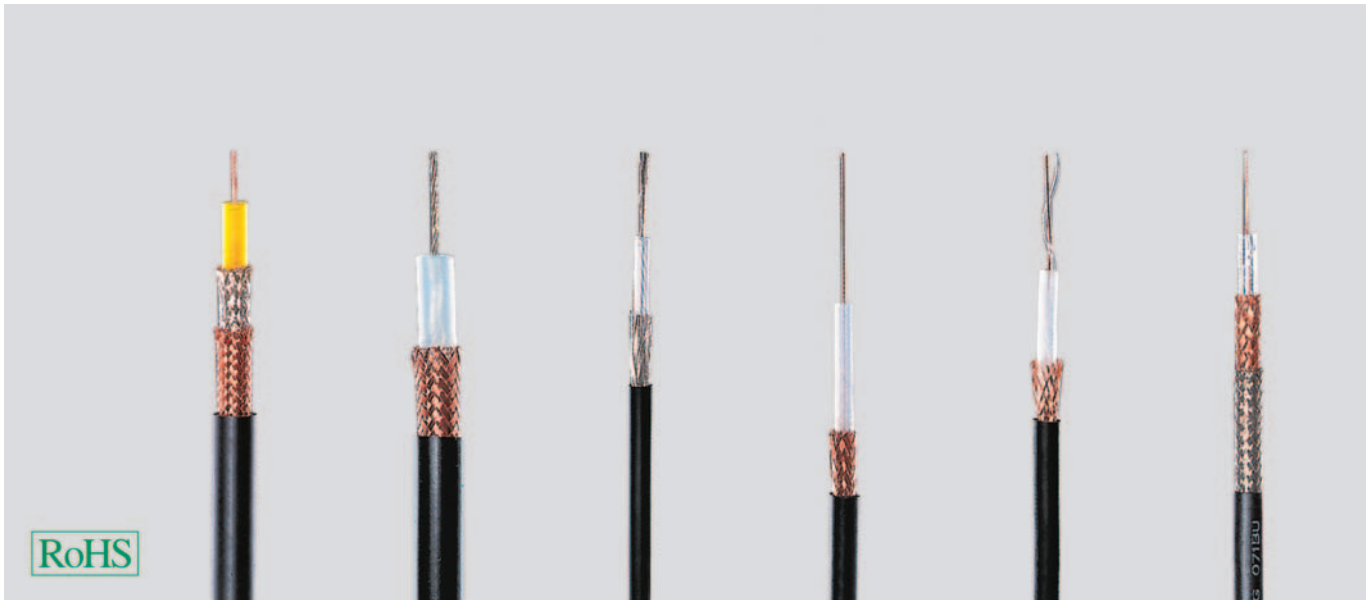


RG-Coaxial Cables



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 diameter 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
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 Silvered copper Copper, bare	Braid Copper, bare	Braid Tinned copper	Braid Copper, bare	Braid Copper, bare	2 braids Copper, bare Tinned copper
Outer sheath	PVC	PVC	PVC	PVC	PVC	PVC
Min. bending radius approx. 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 approx. mm	8,4	10,3	5,0	6,2	6,2	6,2
Weight approx. 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 kmmin.	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 kVeff	7	10	5	7	3	3

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

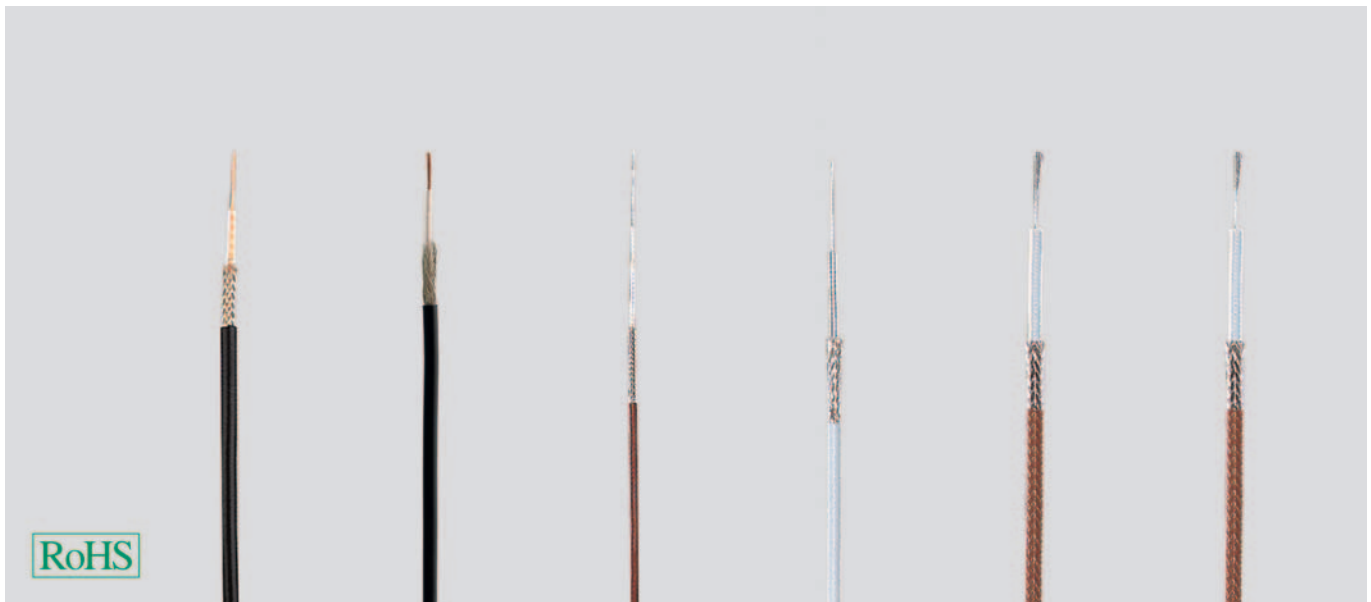
Note

- 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.

RG-Coaxial Cables



Type	RG 174 A/U	RG 174 U	RG 178 B/U	RG 179 B/U	RG 180 B/U	RG 187 A/U
Part no.	40197	400189	40007	40008	40009	40010
Cable structure						
Inner conductor diameter mm	7 x 0,2	7 x 0,2	7 x 0,1	7 x 0,1	7 x 0,1	7 x 0,1
	Steel/copper, bare	Steel/copper, bare	Steel/copper, silvered	Steel/copper, silvered	Steel/copper, silvered	Steel/copper, silvered
Insulation Ø mm	1,52 PE	1,52 PE	0,86 PTFE	1,6 PTFE	2,6 PTFE	1,6 PTFE
Outer conductor	Braid Tinned copper	Braid Tinned copper	Braid Silvered copper	Braid Silvered copper	Braid Silvered copper	Braid Silvered copper
Outer sheath	PVC	PVC	FEP	FEP	FEP	PFA
Min. bending radius approx. mm	15	15	10	15	25	15
Temperature range °C	-35 to +80	-35 to +80	-55 to +200	-55 to +200	-55 to +200	-55 to +260
Copper weight kg/km	7,0	7,0	7,0	8,0	11,0	9,0
Outer Ø approx. mm	2,8	2,6	1,8	2,5	3,7	2,6
Weight approx. kg / km	11	11	8	16	28	17
Electrical characteristics						
Impedance (Ohm)	50 ± 2	50 ± 2	50 ± 2	75 ± 3	95 ± 5	75 ± 3
Frequency range						
f (max.) GHz	1	1	3	3	3	3
Propagation velocity v/c	0,7	0,7	0,7	0,7	0,7	0,7
Attenuation at 20°C (db/100m)						
100 MHz	30	30	43	28	20	28
200 MHz	45	45	62	41	33	41
500 MHz	73	73	102	69	-	69
800 MHz	93	93	134	92	-	92
1000 MHz	-	-	-	-	-	-
1350 MHz	-	-	-	-	-	-
1750 MHz	-	-	-	-	-	-
Capacitance pF/m	101	101	93	63	50	64
Rel. velocity of propagation %	70	70	70	70	70	70
Insulation resistance						
MOhm x kmmin.	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance						
max. (Ohm/km)	360	360	860	840	840	840
Nominal peak voltage kVs	1	1	1	1	2	1
Dielectric strength						
50 Hz kVeff	2	2	2	2	2	2

Dimensions and specifications may be changed without prior notice.

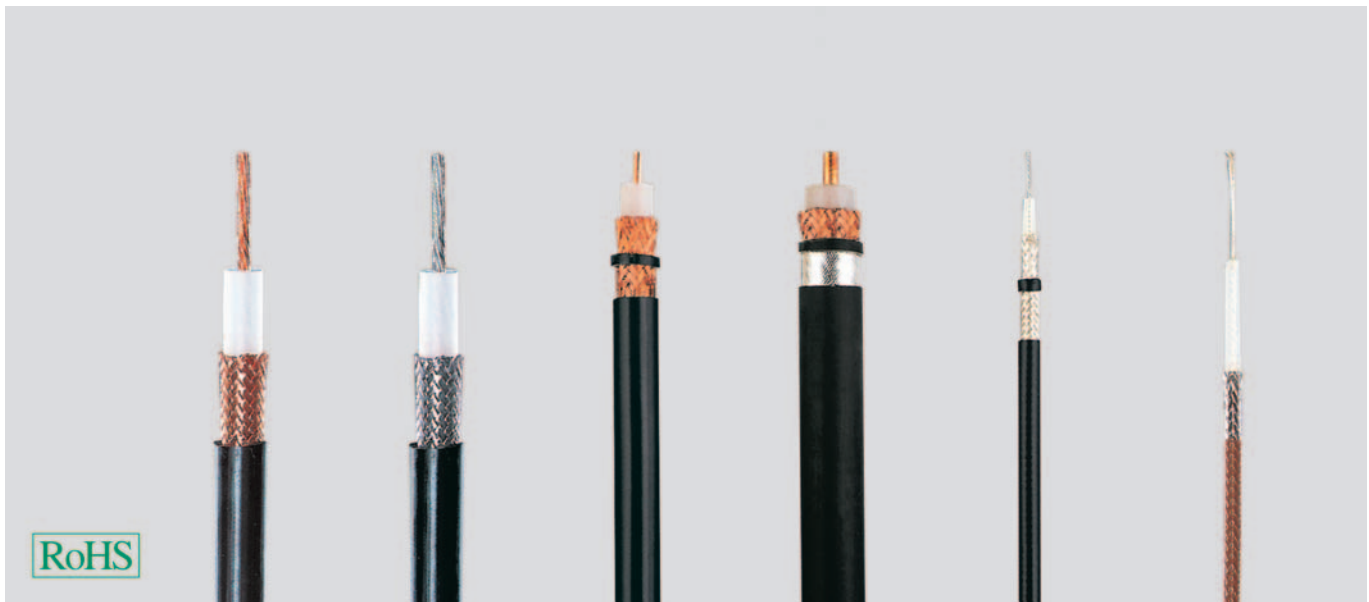
Note

- 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 at FEP and PFA outer sheath is brown or white 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.

RG-Coaxial Cables



Type	RG 213	RG 214 U	RG 217	RG 218	RG 223 U	RG 316 B/U
Part no.	40012	40011	40200	40201	40202	40203
Cable structure						
Inner conductor diameter mm	7 x 0,8	7 x 0,8	1 x 2,7	1 x 4,95	1 x 0,9	7 x 0,2
Insulation Ø mm	7,24 PE	7,24 PE	9,4 PE	17,3 PE	2,95 PE	1,52 PTFE
Outer conductor	Copper, bare	Silvered copper	Copper, bare	Copper, bare	Silvered copper	Steel/copper, silvered
Outer sheath	Braid	2 braids	2 braids	Braid	2 braids	Braid
Min. bending radius approx. mm	Copper, bare	2x silvered copper	Copper, bare	Copper, bare	2x silvered copper	Silvered copper
Temperature range °C	-	-	-	-	-	-
Copper weight kg/km	PVC	PVC	PVC	PVC	PVC	PTFE/ alt. FEP
Outer Ø approx. mm	50	50	70	110	25	15
Weight approx. kg / km	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-55 to +200
	85,0	120,0	187,0	348,0	44,0	9,0
	10,3	10,8	13,84	22,1	5,2	2,5
	159	198	300	710	60	15
Electrical characteristics						
Impedance (Ohm)	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2
Frequency range						
f (max.) GHz	3	11	3	3	3	3
Propagation velocity v/c	0,7	0,7	0,66	0,66	0,7	0,7
Attenuation at 20°C (db/100m)						
100 MHz	7	7	4,8	2,9	17	28
200 MHz	10,2	10,2	7,1	4,5	23	40
500 MHz	17	17	12,3	8,1	38	68
800 MHz	23	23	16,8	11,2	50	90
1000 MHz	-	-	-	-	-	-
1350 MHz	-	-	-	-	-	-
1750 MHz	-	-	-	-	-	-
Capacitance pF/m	101	101	101	101	101	95
Rel. velocity of propagation %	100	67	100	100	67	70
Insulation resistance MOhm x kmmin.	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance max. (Ohm/km)	10	10	5	2	36	310
Nominal peak voltage kVs	5	5	7	11	2	1
Dielectric strength 50 Hz kVeff	10	10	10	15	5	2

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.