

RG-Coaxial Cables



RG-Type.../U	6	8	11	58	058	59	62
Part No.	40001	40013	40002	40014	40003	40004	40005
Cable structure							
Inner conductor ø mm	1 x 0,72 Steel/copper, bare	7 x 0,72 Copper, bare	7 x 0,4 Tinned copper	16 x 0,2 Copper, bare	19 x 0,18 Tinned copper	1 x 0,6 Steel/copper, bare	1 x 0,65 Steel/copper, bare
Insulation ø mm	4,7 PE	6,4 PE	7,3 PE	2,95 PE	2,95 PE	3,7 PE	3,7 PE, hollow
Outer conductor	2 braids Silvered copper Copper, bare	Braid Copper, bare	Braid Copper, bare	Braid Copper, bare	Braid Tinned copper	Braid Copper, bare	Braid Copper, bare
Outer jacket	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Min. bending radius ca. mm	40	50	50	25	25	30	30
Temperature range °C	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80
Cu weight kg/km	67,0	62,0	58,0	21,0	21,0	26,0	26,0
Approx. outer ø mm	8,4	9,5	10,3	4,95	4,95	6,2	6,15
Approx. weight kg/km	115	128	140	38	38	57	52
Electrical characteristics							
Impedance (Ohm)	75 ± 3	50 ± 2	75 ± 3	50 ± 2	50 ± 2	75 ± 3	93 ± 5
Frequency range							
f (max) GHz	3	3	3	3	3	3	3
Propagation velocity v/c	0,66	0,66	0,66	0,66	0,66	0,66	0,83
Attenuation at 20°C (dB/100m)							
100 MHz	8,8	8,0	7,5	17,0	17,0	11,5	10,5
200 MHz	13,5	10,8	11,0	24,0	24,0	16,5	15,0
500 MHz	21,0	17,0	18,5	39,0	39,0	27,0	24,5
800 MHz	27,5	25,0	24,0	51,0	51,0	35,0	32,5
1000 MHz	-	26,5	30,0	57,2	56,0	41,0	35,0
1350 MHz	-	30,6	-	63,4	-	-	-
1750 MHz	-	35,0	-	-	-	-	-
Approx. capacitance pF/m	67,0	101,0	67,0	101,0	101,0	67,0	42,5
Rel. velocity of propagation %	67	66	67	67	67	67	83
Insulation resistance							
MOhm x km min.	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance							
max. (Ohm/km)	110	11	23	53	53	171	13
Nominal peak voltage kVs	2,8	5,1	5,2	2,5	2,5	3,5	1,1
Dielectric strength							
50 Hz kVeff	7,0	9,5	10,0	5,0	5,0	7,0	7,0

Dimensions and specifications may be changed without prior notice.

용도

- 동축케이블은 고주파 전송, 특히 송수신기, 컴퓨터, 라디오, TV 전송, 화염이 닿지 않는 곳, 소방안전지대에 사용된다. 기계적, 열적 및 전기적 특성이 다양하여 GHz 대역에까지 사용할 수 있음.
 - * 외피 색깔은 생산공장에 따라 흑색 또는 투명
- RG-동축케이블은 US-Military Spec ML-C-17 정격임. 기타 종류는 문의 바람. Multi Core 버전도 있음.

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RG-Type.../U	71	174	178	179	180	187	213
Part No.	40006	40197	40007	40008	40009	40010	40012
Cable structure							
Inner conductor ø mm	1 x 0,65 Steel/copper, bare	7 x 0,16 Steel/copper, bare	7 x 0,1 Steel/copper, silvered	7 x 0,1 Steel/copper, silvered	7 x 0,1 Steel/copper, silvered	7 x 0,1 Steel/copper, silvered	7 x 0,75 Copper, bare
Insulation ø mm	3,7 PE, hollow	1,52 PE	0,86 PTFE	1,6 PTFE	2,6 PTFE	1,6 PTFE	7,24 PE
Outer conductor	2 braids Copper, bare Tinned copper	Braid Tinned copper	Braid Silvered copper	Braid Silvered copper	Braid Silvered copper	Braid Silvered copper	Braid Copper, bare
Outer jacket	PE	PVC	FEP	FEP	FEP	PFA	PVC
Min. bending radius ca. mm	30	15	10	15	25	15	50
Temperature range °C	-50 to +70	-35 to +80	-55 to +200	-55 to +200	-55 to +200	-55 to +200	-35 to +80
Cu weight kg/km	48,0	7,0	6,4	7,3	11,0	8,5	79,0
Approx. outer ø mm	6,2	2,8	1,8	2,54	3,7	2,65	10,3
Approx. weight kg/km	62	11	8	16	28	17	159
Electrical characteristics							
Impedance (Ohm)	93 ± 3	50 ± 2	50 ± 2	75 ± 3	95 ± 5	75 ± 3	50 ± 2
Frequency range							
f (max) GHz	3	1	3	3	3	3	3
Propagation velocity v/c	0,83	0,66	0,7	0,7	0,7	0,7	0,66
Attenuation at 20°C (dB/100m)							
100 MHz	10,5	30,0	43,0	28,0	20,0	28,0	7,0
200 MHz	15,0	45,0	62,0	41,0	33,0	41,0	10,2
500 MHz	24,5	73,0	102,0	69,0	-	69,0	17,0
800 MHz	32,5	93,0	134,0	92,0	-	92,0	23,0
Approx. capacitance pF/m	42,5	101,0	93,0	63,0	50,0	64,0	101,0
Rel. velocity of propagation %	85	70	70	70	70	70	100
Insulation resistance MOhm x km min.	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance max. (Ohm/km)	136	360	860	840	840	840	10
Nominal peak voltage kVs	1,5	1,1	1,1	1,3	1,6	1,3	5,2
Dielectric strength 50 Hz kVeff	3,0	2,0	2,0	2,0	2,0	2,0	2,0

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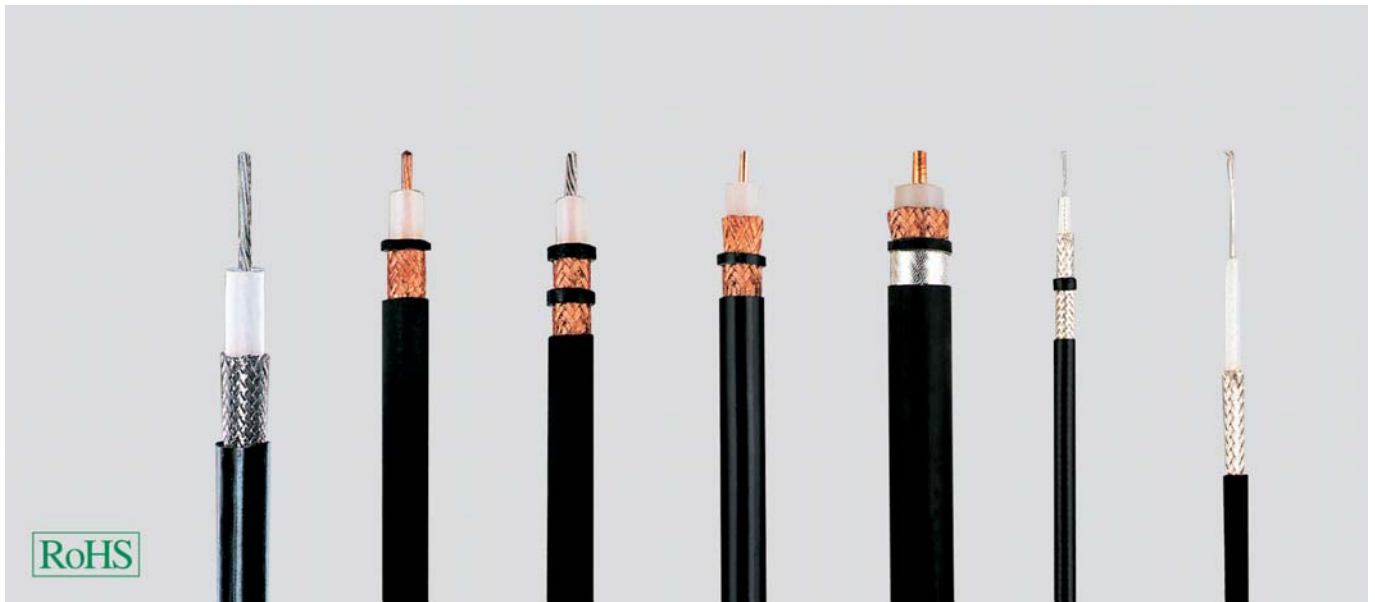
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RG-Type.../U Part No.	214 40011	215 40198	216 40199	217 40200	218 40201	223 40202	316 40203
Cable structure							
Inner conductor ø mm	7 x 0,75 Silvered copper	7 x 0,75 Copper, bare	7 x 0,4 Tinned copper	1 x 2,7 Copper, bare	1 x 4,95 Copper, bare	1 x 0,9 Silvered copper	7 x 0,17 Steel/copper, silvered
Insulation ø mm	7,24 PE	7,24 PE	7,24 PE	9,4 PE	17,3 PE	2,95 PE	1,52 PTFE
Outer conductor	2 braids 2x silvered copper	Braid Copper, bare	2 braids Copper, bare	2 braids Copper, bare	Braid Copper, bare	2 braids 2x silvered copper	Braid Silvered copper
Outer jacket	PVC	PVC	PVC	PVC	PVC	PVC	PTFE/ alt. FEP
Min. bending radius ca. mm	50	70	50	70	110	25	15
Temperature range °C	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-35 to +80	-55 to +200
Cu weight kg/km	119,0	148,0	107,0	187,0	348,0	42,0	8,5
Approx. outer ø mm	10,8	10,3	10,8	13,84	22,1	5,38	2,5
Approx. weight kg/km	198	300	176	300	710	60	15
Electrical characteristics							
Impedance (Ohm)	50 ± 2	50 ± 2	75 ± 3	50 ± 2	50 ± 2	50 ± 2	50 ± 2
Frequency range							
f (max) GHz	11	3	3	3	3	3	3
Propagation velocity v/c	0,66	0,66	0,66	0,66	0,66	0,66	0,66
Attenuation at 20°C (dB/100m)							
100 MHz	7,0	7,0	7,5	4,8	2,9	17,0	28,0
200 MHz	10,2	10,2	11,0	7,1	4,5	23,0	40,0
500 MHz	17,0	17,0	18,5	12,3	8,1	38,0	68,0
800 MHz	23,0	23,0	24,0	16,8	11,2	50,0	90,0
Approx. capacitance pF/m	101,0	101,0	67,0	101,0	101,0	101,0	95,0
Rel. velocity of propagation %	67	100	100	100	100	67	70
Insulation resistance MΩ x km min.	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance max. (Ω/km)	10	10	21	5	2	36	310
Nominal peak voltage kVs	5,2	5,0	5,0	7,0	11,0	1,9	1,2
Dielectric strength 50 Hz kVeff	10,0	10,0	10,0	10,0	15,0	5,0	5,0

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