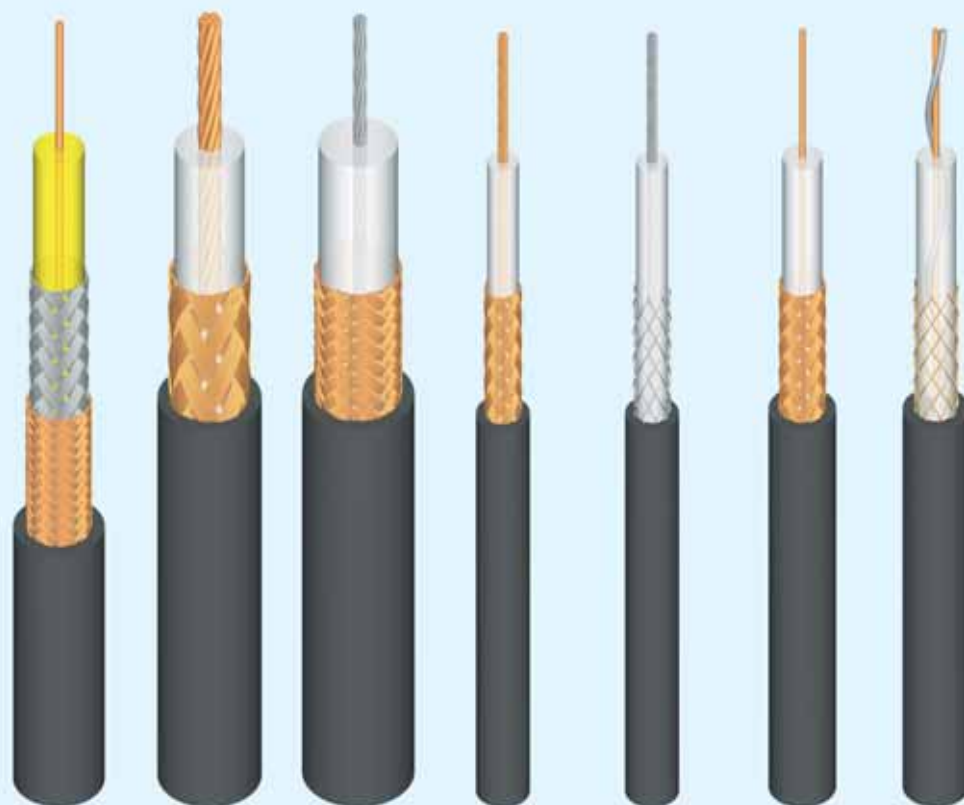
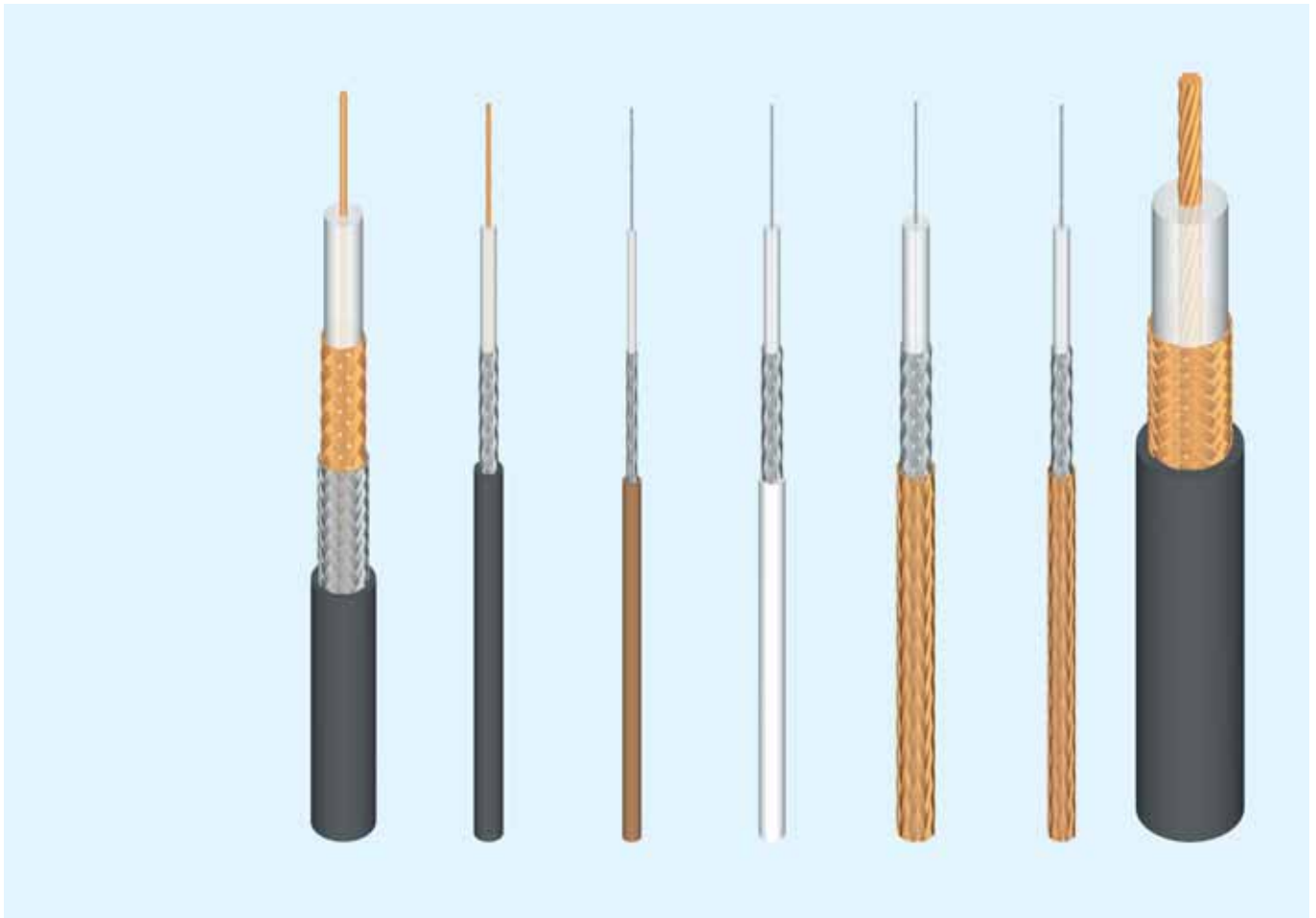


Coaxial cables RG according to MIL-C-17



Typ RG.../U	6	8	11	58	058	59	062
Part No.	0640001	0640013	0640002	0640014	0640003	0640004	0640005
Cable structure							
Inner core	Solid bare	Copper bare	Copper tinned	Copper bare	Copper tinned	Solid bare	Solid bare
∅ (mm)	1×0,72	7×0,72	7×0,4	16×0,20	19×0,18	1×0,6	1×0,65
Insulation	PE	PE	PE	PE	PE	PE	PE-high pressure
∅ (mm)	4,7	6,4	7,3	2,95	2,95	3,7	3,7
Screening	2 braiding	braiding	braiding	braiding	braiding	braiding	braiding
	1. Copper silverplated	Copper bare	Copper bare	Copper bare	Copper tinned	Copper bare	Copper bare
	2. Copper bare						
Sheath	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Min. bending radius inf. (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
Copper weight (kg/km)	67,00	62,00	58,00	21,00	21,00	26,00	26,00
Outer ∅ inf. (mm)	8,40	9,50	10,30	4,95	4,95	6,20	6,15
Weight inf. (kg/km)	115	128	140	38	38	57	52
Electric characteristics							
Impedance (Ω)	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/100 m)							
100 MHz	8,80	8,00	7,50	17,00	17,00	11,50	10,50
200 MHz	13,50	10,80	11,00	24,00	24,00	16,50	15,00
500 MHz	21,00	17,00	18,50	39,00	39,00	27,00	24,50
800 MHz	27,50	25,00	24,00	51,00	51,00	35,00	32,50
1000 MHz	-	26,50	30,00	57,20	56,00	41,00	35,00
1350 MHz	-	30,60	-	63,40	-	-	-
1750 MHz	-	35,00	-	-	-	-	-
Capacitance (pF/m)	67	101	67	101	101	67	42,5
Rel. velocity of propagation – (%)	67	66	67	67	67	67	83
Insulation resistance min. (MΩ × km)							
	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance max. (Ω/km)							
	110	11,5	23	53	53	171	13
Nominal peak voltage (kVs)							
	2,8	5,1	5,2	2,5	2,5	3,5	1,1
Dielectric strenght							
50 Hz (kVeff)	7,0	9,5	10,0	5,0	5,0	7,0	3,0

Coaxial cables RG according to MIL-C-17



06

Typ RG.../U	71	174	178	179	180	187	213
Part No.	0640006	0640197	0640007	0640008	0640009	0640010	0640012
Cable structure							
Inner core	Solid bare	Copper bare	Copper tinned	Copper tinned	Copper tinned	Copper tinned	Copper bare
Ø (mm)	1×0,65	7×0,16	7×0,10	7×0,10	7×0,10	7×0,10	7×0,75
Insulation	PE-high pressure	PE	PTFE	PTFE	PTFE	PTFE	PE
Ø (mm)	3,7	1,52	0,86	1,6	2,6	1,6	7,24
Screening	2 braiding	braiding	braiding	braiding	braiding	braiding	braiding
	1. Copper bare	Copper tinned	Copper silverplated	Copper silverplated	Copper silverplated	Copper silverplated	Copper bare
	2. Copper tinned						
Sheath	PE	PVC	FEP	FEP	FEP	PFA	PVC
Min. bending radius inf. (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
Copper weight (kg/km)	48	7	6,4	7,3	11	8,5	79
Outer Ø inf. (mm)	6,2	2,8	1,8	2,54	3,7	2,65	10,3
Weight inf. (kg/km)	62	11	8	16,5	28	17	159
Electric characteristics							
Impedance (Ω)	93±3	50±2	50±2	75±3	95±5	75±3	50±2
Frequency range							
Ø (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/100 m)							
100 MHz	10,5	30	43,0	28	20	28	7
200 MHz	15	45	62	41	33	41	10,2
500 MHz	24,5	73,0	102	69		69	17,0
800 MHz	32,5	93	134	92		92	23
Capacitance (pF/m)	42,5	101	93	63	50	64	101
Rel. velocity of propagation - (%)	83	70	70	70	70	70	100
Insulation resistance min. (MΩ × km)							
	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Loop resistance max. (Ω/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 strenght 50 Hz (kVeff)							
	3	2	2	2	2	2	10