

RG - STANDARD SERIES

Massive copper

RoHS / REACH
KONFORM

In the style of
MIL-C-17



	RG 174 A/U	RG 58 C/U	RG 8/U	RG 213/U
Construction	Mini		Similar to RG 213 UBX	
Inner conductor	7x0.16mm copperwel.	19x0.18mm copper ti.	7x0.70mm copper bar	7x0.75mm copper bar
Insulation	1.54 mm PE	2.95 mm PE	6.40 mm PE	7.30 mm PE
Outer Conductor				
a)	copper braid tinned	copper braid tinned	copper braid bare	copper braid bare
b)				
c)				
Jacket +/- 0,2 mm	2.8 mm PVC	4.95 mm PVC	9.5 mm PVC	10.3 mm PVC
Electrical properties				
Characteristic impedance (Ω)	50 +/-3	50 +/-3	50 +/- 3	50 +/-3
Capacity (pF/m)	103	103	103	103
Velocity (v/c)	0,66	0,66	0,66	0,66
Attenuation at 20°C (dB 100m)				
1 MHz				
5 MHz				
10 MHz	9,6	4,7	2,0	1,8
20 MHz	13,7	7,2	3,0	2,8
50 MHz	21,8	10,7	4,8	4,4
100 MHz	31,1	15,3	7,8	6,8
200 MHz	44,5	22,8	10,6	9,7
300 MHz	50,3	28,3	13,4	12,3
500 MHz	72,7	37,0	17,2	16,2
800 MHz	91,3	48,8	24,0	21,5
1000 MHz	106,1	55,5	27,5	24,5
1500 MHz				
2250 MHz				
3000 MHz				
Shield dampening (dB)	>	>	>	>
DC resistance (Ohm/km)				
Inner conductor	306	36,0	6,0	5,5
Outer conductor	54	17,0	6,0	4,5
Operating voltage (max. V)				
In the style of:	MIL-C-17	MIL-C-17	MIL-C-17	MIL-C-17
Mechanical properties				
Minimum bending radius (mm)	15	25	50	50
Temperature range	-20,0 till + 70,0 C°	-20,0 till + 70,0 C°	-20,0 till + 70,0 C°	-20,0 till + 70,0 C°
Cable weight (kg/km)	+/- 12	+/- 35	+/- 127	+/-154
Copper weight (kg/km)	+/- 6,2	+/- 18	+/- 54,8	+/- 82
Suitable connectors				