



RG6

RG-Cables acc. to MIL-C-17F and MIL-C-17G



Application

see product overview

Standards

acc. to MIL-C-17F and MIL-C-17G

Flame resistance

acc. to IEC 60332-1

Construction

Inner conductor	copperclad steel wire, diameter 0.73 ± 0.01 mm
Insulation	PE, diameter 4.7 ± 0.05 mm
1. braid	silver plated , 96% optical coverage
2. braid	bare, 96% optical coverage, diameter 6.2 mm
Sheath	PVC, diameter 8.40 ± 0.15 mm

Mechanical properties

Minimum bending radius	without load	5 x outer diameter
	with load	10 x outer diameter
Temperature	during operation	-40° C to + 85° C
	during installation	-15° C to + 55° C

Electrical properties

at 20° C

DC resistance	Inner conductor	105 Ω /km
	1st braid	6.5 Ω /km
	2nd braid	7.5 Ω /km
Mutual capacitance		67 nF/m
Characteristic impedance		75 $\Omega \pm 3 \Omega$
Velocity ratio		66 %
Operating voltage		≤ 2.4 kV _{rms}
Test voltage	Inner-/outer conductor	7.0 kV _{rms}



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Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)	Max. power rating (Watts) (ambient temperature 25°C and max. inner conductor temperature 70°C)
10	3.0	1600
100	9.8	500
200	14	340
400	20	220
1000	32	150
2000	47	70
3000	60	50

All other requirements acc. to MIL-C-17F respectively MIL-C-17G

Technical data

Product code	Designation	Type	Brand name	Outer diameter	Weight	Standard delivery length	Drum size	Gross weight	Copper content	Tensile force
				mm	kg/km	m	*PWD	kg		N
1002714	2YCCY	0.73/4.7 Ds Staku	M17/2- RG6	8.4	115	1000	760/360/ 420	128	70.1	385

*PWD (Plywood drum)