

RG213

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	stranded copper wires, bare 7 x 0.75, diameter 2.25 ± 0.01 mm
Insulation	PE, diameter 7.25 ± 0.05 mm
Braid	bare, 96% optical coverage
Sheath	PVC, diameter 10.30 ± 0.15 mm

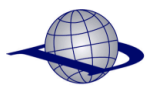
Mechanical properties

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	5.7 Ω/km
	Outer conductor	3.9 Ω/km
Mutual capacitance		100 pF/m
Characteristic impedance		50 Ω ± 2 Ω
Velocity ratio		66 %
Operating voltage		3.7 kV _{rms}
Test voltage	Inner/Outer conductor	10.0 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)	Return loss (dB) several peaks are allowed	
			Frequency (MHz)	
10	1.8	2300	1-1000	28-23.5
100	6.8	920		
200	9.0	570		
400	14.4	380		
1000	24.7	210		
1500	31.5	170		
2000	36.4	140		
3000	46.6	100		
5200	62.0	73		
5800	67.0	67		

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/ring	kg		
1002732	2YCY	2.25L/ 7.25	M17/074- RG213	10.3	157	1000/100	760/360/ 420	169/16	86.7	470
1002734	2YCY	2.25L/ 7.25	M17/074- RG213	10.3	157	1000/100	760/360/ 420	169/16	86.7	470

*PWD (Plywood drum)