

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}

RG213

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
10	1.8	2300	Frequency (MHz) 1-1000
100	6.8	920	28-23.5
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/ri ng	kg		
1002732	2YCY	2.25L/ 7.25	M17/074 - RG213	10.3	157	1000/10 0	760/360 / 420	169/16	86.7	470
1002734	2YCY	2.25L/ 7.25	M17/074 - RG213	10.3	157	1000/10 0	760/360 / 420	169/16	86.7	470

*PWD (Plywood drum)

[PRODUCT CODE TABLE]

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