

RG213 FRNC

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



Application

see product overview

Standards

acc. to MIL-C-17G

Flame resistance

acc. to IEC 60332-1

Construction

Inner conductor	stranded copper wires, bare 7 x 0.75, diameter 2.25 ± 0.10 mm
Insulation	PE, diameter 7.25 ± 0.10 mm
Braid	bare, 96% optical coverage
Sheath	Flame Retardant Non Corrosive material, diameter 10.30 ± 0.15 mm
Marking	DRAKA RG213 MIL-C-17G FRNC and batch number

Mechanical properties

Minimum bending radius	without load	5 x outer diameter
	with load	10 x outer diameter
Temperature	during operation	-45° C to + 85° C
	during installation	-15° C to + 55° C
Corrosivity of fire gases		acc. to IEC 60754-1 & 2
Smoke density		acc. to IEC 61034-1 and 2

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-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/ringing	kg		
1002819 CK2675400	2YCH	2.25L/7.25	M17/74- RG213 FRNC	10.3	157	1000	760/360/ 420	169	86.7	470

*PWD (Plywood drum)

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR RG213 50 2.25S/7.25 LSHF BK 500DW	1002819-00500DW	60011360	60017551
DR RG213 50 2.25S/7.25 LSHF BK 1000DW	1002819-01000DW	60011360	60017552