

**RG - Cables acc. to American Military-Specification
MIL-C-17F resp. MIL-C-17G
RG213**



Construction

		2YCY
		2.25L/7.25
		RG213
Inner conductor		stranded copper wires, bare 7 x 0.75
	mm	2.25 ± 0.01
Insulation		PE
	mm	7.25 ± 0.05
Braid		bare, 96% optical coverage
Sheath		PVC
	mm	10.30 ± 0.15

Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight approx. kg/km	Standard delivery length m	Drum size *PWD/ring	Gross weight kg	Copper content	Tensile force N
CK2775400	2YCY	2.25L/7.25	M17/074-RG213	10.3	153	1000/100	760/360/420	165/16	75.8	470
CK2775405	2YCY	2.25L/7.25	M17/074-RG213	10.3	153	1000/100	760/360/420	165/16	75.8	470

*PWD (Plywood drum)

The right to alterations reserved

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Electrical properties

		2YCY
		2.25L/7.25
		RG213
DC resistance		
Inner conductor	Ω/km	5.7
Outer conductor	Ω/km	3.9
Mutual capacitance		pF/m
		100
Characteristic impedance		Ω
		50 ± 2
Velocity ratio		%
		66
Return loss (1MHz-1GHz)		dB
		28-23.5
Attenuation at		
10 MHz	dB/100m	1.8
100 MHz		6.8
200 MHz		9.0
400 MHz		14.4
1000 MHz		24.7
1500 MHz		31.5
2000 MHz		36.4
3000 MHz		46.6
5200 MHz		62.0
5800 MHz	67.0	
Maximum Power rating at (ambient + 25°C)		
10 MHz	Watts	2300
100 MHz		920
200 MHz		570
400 MHz		380
1000 MHz		210
1500 MHz		170
2000 MHz		140
3000 MHz		100
5200 MHz		73
5800 MHz	67	
Operating voltage		kV _{eff.}
		3.7
Test voltage		
Inner-/outer conductor	kV _{eff.}	10.0

Mechanical properties

Operating temperature	- 40°C to 85°C
Installation temperature	- 15°C to 55°C
Minimum bending radius (during installation)	
without load	5 x outer diameter
with load	10 x outer diameter
Fire propagation test	acc. to IEC 60332-1

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