

The right to alterations reserved

RG - Cables acc. to American Military-Specification MIL-C-17F and MIL-C-17G RG6



Construction

		2YCCY
		0.73/4.7 Ds
		RG6
Inner conductor		copperclad steel wire
	mm	0.73 ± 0.01
Insulation		PE
	mm	4.7 ± 0.05
1st braid		silver plated , 96% optical coverage
2nd braid		bare, 96% optical coverage
	mm	6.2
Sheath		PVC
	mm	8.40 ± 0.15

Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight approx. kg/km	Standard delivery length m	Drum size *PWD	Gross weight kg	Copper content	Tensile force N
CK2770200	2YCCY	0.73/4.7 Ds Staku	M17/2-RG6	8.4	115	1000	760/360/420	128	62.4	385

*PWD (plywood drum)

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Electrical properties

		2YCCY
		0.73/4.7 Ds
		RG6
DC resistance		
Inner conductor	Ω/km	105
1 st braid	Ω/km	6.5
2 nd braid	Ω/km	7.5
Mutual capacitance	pF/m	67
Characteristic impedance	Ω	75 ± 3
Velocity ratio		0.66
Maximum operating frequency		3 GHz
Attenuation at		
10 MHz	$\text{dB}/100\text{m}$	3.0
100 MHz		9.8
200 MHz		14
400 MHz		20
1000 MHz		32
2000 MHz		47
3000 MHz		60
Maximum Power rating at (ambient + 25°C)		
10 MHz	Watts	1600
100 MHz		500
200 MHz		340
400 MHz		220
1000 MHz		150
2000 MHz		70
3000 MHz		50
Operating voltage	KV_{rms}	≤ 2.4
Test voltage		
Inner-/outer conductor	KV_{rms}	7.0

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