

RG - Cables acc. to American Military-Specification MIL-C-17F; MIL-C-17G and MIL-C-17D RG174



Construction

		2YCY	
		0.48L/1.5 z	
		RG174	resp. *RG-174/U
Inner conductor		stranded copperclad steel wires, bare 7 x 0.16	
	mm	0.48 ± 0.01	
Insulation		PE	
	mm	1.52 ± 0.05	
Copper braid		tinned, 87% optical coverage	
Sheath		PVC	
	mm	2.7 ± 0.1	2.54 ± 0.10

Technical data

Product code	Designation	Type	Brand name	Outer diameter -meter mm	Weight approx. kg/km	Standard -delivery -length m	Drum size **PWD/ ring	Gross weight kg	Copper content	Tensile force N
CK2773699	2YCY	0.48L/1.5 z Staku	RG-174/U	2.54	10	1000/100	370/180/200	12/1.0	5.4	35
CK2773600	2YCY	0.48L/1.5 z Staku	M17/119-RG174	2.7	11.2	1000/100	370/180/200	13/1.2	5.4	35
CK2773611	2YCY	0.48L/1.5 z Staku	M17/119-RG174	2.7	11.2	2000	400/120/280	24.5	5.4	35

*RG-174/U acc. to MIL-C-17D

**PWD (plywood drum)

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Electrical properties

		2YCY
		0.48L/1.5 z
		RG174 resp. *RG-174/U
DC resistance		
Inner conductor	Ω/km	315
Outer conductor	Ω/km	37.3
Mutual capacitance	pF/m	100
Characteristic impedance	Ω	50 ± 2
Velocity ratio	%	66
Attenuation at		
10 MHz	dB/100m	9.8
100 MHz		31
200 MHz		51
400 MHz		74
1000 MHz		120
Maximum Power rating at (ambient + 25°C)		
10 MHz	Watts	240
100 MHz		68
200 MHz		45
400 MHz		32
1000 MHz		18
***Return loss (100 m)		
10-300 MHz	dB	≥ 23
300-1000 MHz		≥ 21
Operating voltage	KV_{rms}	1.1
Test voltage		
Inner-/outer conductor	KV_{rms}	2.0

***only for cables acc. to MIL-C-17F respectively MIL-C-17G, not for cables acc. to MIL-C-17D

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