

RG174

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 copperclad steel wires, bare 7 x 0.16, diameter 0.48 ± 0.01 mm
Insulation	PE, diameter 1.52 ± 0.05 mm
Copper braid	tinned, 87% optical coverage
Sheath	PVC, diameter 2.7 ± 0.1 mm
Printing	DRAKA COMTEQ- M17/119-RG174

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	315 Ω /km
	Outer conductor	37.3 Ω /km
Mutual capacitance		100 pF/m
Characteristic impedance		50 $\Omega \pm 2 \Omega$
Velocity ratio		66 %
Operating voltage		1.1 kV _{rms}
Test voltage	Inner/Outer conductor	2.0 kV _{rms}

RG174

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	9.5	240	
100	31	68	
200	51	45	Frequency (MHz)
400	74	32	10-300 ≥ 23
1000	120	18	300-1000 ≥ 21

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 *PWD	Gross weight	Copper content	Tensile force
				mm	kg/km	m		N		N
1002731	2YCY	0.48L/ 1.5z Staku	M17/119 - RG174	2.7	11.2	1000/10 0	370/180 / 200	13/1.2	5.9	35
1002730	2YCY	0.48L/ 1.5z Staku	M17/119 - RG174	2.7	11.2	1000/10 0	370/180 / 200	13/1.2	5.9	35

*PWD (Plywood drum)

[PRODUCT CODE TABLE]

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