

RG400 U

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



Application

whole field of commercial electronics and radio frequency engineering

Standards

MIL-C-17F, MIL-C-17G

Flame resistance

IEC 60332-1

Construction

Inner conductor	copper wires, silver coated 19 x 0.203, diameter 1.01 ± 0.01
Insulation	PTFE, diameter 2.95 ± 0.05 mm
Outer conductor	
1. Copper braid	Silver coated, 95% optical coverage
2. Copper braid	Silver coated, 94% optical coverage
Sheath	FEP, diameter 4.95 ± 0.13 mm

Mechanical properties

Minimum bending radius	without load	5x outer diameter
	with load	10x outer diameter
Operating temperature		- 70°C up to + 200°C

Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 31 Ω/km
Characteristic impedance		50 Ω ± 2 Ω
Mutual capacitance		96 pF/m
Velocity ratio		70 %
Operating voltage RF		1.4 kV Peak
Test voltage		
Inner/Outer conductor		3 kV _{rms}

RG400 U

Electrical data

at 20°C

Frequency (MHZ)	Attenuation (dB/100m)	Max. power rating (Watts) (ambient temperature 40°C)
	nominal	maximum
100	14	1400
200	20	1000
400	28	720
1000	46	490

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

Technical data

Product code	Designation	Type	Brand name	Outer diameter	Weight	Weight approx.	Copper content	Tensile force	Standard delivery length	Drum size
				mm	kg/km	kg/km		N	m	*PWD
1002909	5YC6Y	1.01s/2.95Ds	M17/128-RG400	4.95	63	67	46.0	370	1000	500/200/310

*PWD (Plywood drum)

[PRODUCT CODE TABLE]

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