

RG196 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	Stranded copperclad steel wires, silver coated 7 x 0.102, diameter 0.31 ± 0.01
Insulation	PTFE, diameter 0.84 ± 0.05 mm
Outer conductor	
Copper braid	Silver coated, 96% optical coverage
Sheath	PTFE, diameter 1.80 ± 0.10 mm

Mechanical properties

Minimum bending radius	without load	5x outer diameter
	with load	10x outer diameter
Operating temperature		- 70°C up to + 260°C

Electrical properties

at 20°C

DC resistance	Inner conductor	≤ 800 Ω/km
Characteristic impedance		50 Ω ± 2 ±
Mutual capacitance		96 pF/m
Velocity ratio		70 %
Operating voltage RF		1.0 kV Peak
Test voltage		
Inner/Outer conductor		2 kV _{rms}

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Electrical data

at 20°C

Frequency (MHZ)	Attenuation (dB/100m)	Max. power rating (Watts) (ambient temperature 40°C)
	nominal	maximum
100	46	240
200	62	180
400	92	120
1000	151	75

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
1002907	5YC5Y	0.31Ls/0.824 Staku	RG196 U	1.80	9.5	11	4.7	23	1000	300/150/160

*PWD (Plywood drum)

[PRODUCT CODE TABLE]

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