RG316 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 0.17, diameter 0.51 ± 0.01
Insulation	PTFE, diameter 1.52 ± 0.05 mm
Outer conductor	
Copper braid	Silver coated, 95% optical coverage
Sheath	FEP, diameter 2.49 ± 0.10 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	≤ 275 Ω/km
Characteristic impedance		50 Ω ± 2 Ω
Mutual capacitance		96 pF/m
Velocity ratio		70 %
Operating voltage RF		1.2 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	37	400
200	47	325
400	55	275
1000	102	150

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
1002908	5YC6Y	0.51Ls/1.52s Staku	M17/113-RG316	2.50	16.0	18	7.8	50	1000	300/150/160

*PWD (Plywood drum)

[PRODUCT CODE TABLE]