



## 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 $0.51 \pm 0.01$
Insulation	PTFE, diameter $1.52 \pm 0.05$ mm
Outer conductor	
Copper braid	Silver coated, 95% optical coverage
Sheath	FEP, diameter $2.49 \pm 0.10$ 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	$\leq 275 \Omega/\text{km}$
Characteristic impedance		$50 \Omega \pm 2 \Omega$
Mutual capacitance		96 pF/m
Velocity ratio		70 %
Operating voltage RF		1.2 kV Peak
Test voltage		
Inner/Outer conductor		2 kV <sub>rms</sub>



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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)