

## RG142 B/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	copperclad steel wire, silver coated, diameter $0.94 \pm 0.01$ mm
Insulation	PTFE, diameter $2.95 \pm 0.05$ mm
Outer conductor	
1. Copper braid	Silver coated, 96% optical coverage
2. Copper braid	Silver coated, 96% optical coverage
Sheath	FEP $4.95 \pm 0.13$ mm

### Mechanical properties

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

### Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 638 \Omega/\text{km}$
Characteristic impedance		$50 \Omega \pm 2 \Omega$
Mutual capacitance		96 pF/m
Velocity ratio		70 %
Operating voltage RF		1.9 kV Peak
Test voltage		
Inner/Outer conductor		5 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	11	1800
200	15	1300
400	23	900
1000	43	530

All further requirements acc. to MIL-C 17F respectively MIL-C17G

## Technical data

Product code	Designation	Type	Brand name	Outer diameter	Weight	Gross weight	Copper content	Tensile force	Standard delivery length	Drum size
				mm	kg/km	kg/km		N	m	*PWD
1002902	5YC6Y	0.94s/2.95 Ds Staku	M17/060 - RG142	4.95	68	72	47.0	370	1000	500/200/310

\*PWD (Plywood drum)

[PRODUCT CODE TABLE]

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