



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 ± 0.01 mm
Insulation	PTFE, diameter 2.95 ± 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 ± 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 _{rms}



RG142 B/U

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/2.95Ds Staku	M17/060- RG142	4.95	68	72	47.0	370	1000	500/200/ 310

*PWD (Plywood drum)