

RG187 A/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 1.60 ± 0.05 mm
Outer conductor	
Copper braid	Silver coated, 93% optical coverage
Sheath	PTFE, diameter 2.54 ± 0.13 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		75 Ω ± 1.5 Ω
Mutual capacitance		64 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)
100	33	480
200	41	420
400	52	320
1000	79	190

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

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
1002905	5YC6Y	0.31Ls/1.6s Staku	RG187 A/U	2.54	17.0	18	7.8	35	1000	300/150/160

*PWD (Plywood drum)

[PRODUCT CODE TABLE]

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