

Australian Representatives

Tel: 02 9829 1555 E: sales@rojone.com.au www.rojone.com.au ROJONE, PTY LTD.

- Low Loss HF-UHF Interconnect
- Wireless Base Station Interconnect

'Select' Types and Sizes

Meets all MIL-C-17 Requirements Readily available in Distribution **Good Shielding Effectiveness** Low Passive Intermod (PIM) **Uses Standard Connectors**

Attenuation (Loss) - again not the best by today's Attenuation Stability - silver plated outer conductor standards but is usually acceptable at HF frequencies.

military applications, these cables quickly became the products of choice for commercial wireless applications once they hit the surplus market, and continue to be M17/RG's have been widely adopted for commercial and

military applications. Their QPL stature insures a high quality product made to the same spec regardless of

M17/RG's are traditional MIL Spec coax cables that were born 50-60 years ago. Originally created to support WWII

> prevents oxidation of the conductors thereby minimizing outer conductors may oxidize quite rapidly precipitating loss increase which is only significant at frequencies > attenuation change vs time. Conversely, bare copper 500 MHz.

used today.

thermal conductivity) provides excellent power handling Power Handling - solid dielectric materials (high capability.

Temperature Range - broad operating temperature range.

Mechanical Properties - solid dielectric provides superior crush resistance and therefore is well suited for tactical applications.

Some of the key characteristics of M17/RG's are:

the manufacturer.

Shielding Effectiveness - in the 40 to 60 dB range and

today's standards but can be optimized by appropriate preconditioning over the temp range of interest. Phase Stable - not the best for phase stability by is acceptable for many lower frequency applications.

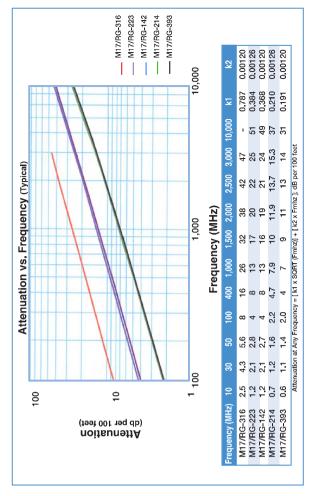
"Select" M17 Coaxial Cables

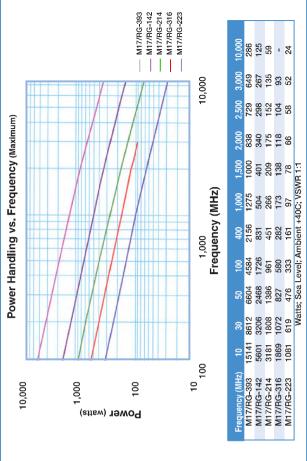
M17 nberinches n) (mm)	Conductor inches (mm)	Dielectric inches (mm)	Shields inches (kq/m)	Jacket Ibs/foot Vp(%)	Weight ohms (pF/m)	Impedance C pF/foot Cert Cond Shield	Capacitance s kvrms	DC Res ohms/1kl F (C)	istance Nottage Range	Oper, Range	Temp.	Freq.	417
A17/113-RG316	SCCS 7/ 0067"		1:SC	FEP-IX	0.012	50 +/- 2	29.4	83.3	8.5	1.2	-67 +392		-90
	0.0201		0.078	0.098									က
	(0.51)	(1.52)	(1.98)	(5.49)	(0.018)	69.5	(36.5)	(273.3)	(27.9)		(-55 +200)	Ŭ	X
V17/84-RG223	SC	出	2:SC	PVC-IIA	0.041	50 +/- 2	30.8	8.2	2.2	1.9	-40 +185		-40
	0.0355	0.116	0.162	0.212								•	12.4
	(0.90)	(2.95)	(4.11)	(2.38)	(0.061)	62.9	(101.1)	(56.9)	7.2)		(-40 +85)	Ŭ	ZHE
/17/60-RG142	SCCS	PTFE	2:SC	FEP-IX	0.043	50 +/- 2	29.4	19.1	2.2	1.9	-67 +392		-50
	0.037	0.116	0.162	0.195									00
	(0.94)	(2.95)	(4.11)	(4.95)	(0.064)	69.5	(36.5)	(62.7)	(7.2)		(-55 +200)	Ŭ	ూ
M17/75-RG214	SC 7/.0296"	出	2:SC	PVC-IIA	0.130	50 +/- 2	30.8	1.7	1.3	2.0	-40 +185		-92
	0.0888	0.285	0.343	0.425									=
	(2.26)	(7.24)	(8.71)	(10.8)	(0.194)	62.9	(101.1)	(2.6)	(4.3)		(-40 + 85)	Ŭ	크노
117/127-RG393	SC 7/.0312"	PTFE	2:SC	FEP-IX	0.175	50 +/- 2	29.4	-2.	1.3	5.0	-67 +392		02-
	0.094	0.285	0.343	0.390									=
	(2.39)	(7.24)	(8.71)	(9.91)	(0.261)	69.5	(36.5)	(4.9)	(4.3)		(-55 + 200)	Ŭ	ΞĘ

Low Passive Intermod (silver plated types)

Tactical Field Antenna Feeders

Where MIL Spec Pedigree is Required





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