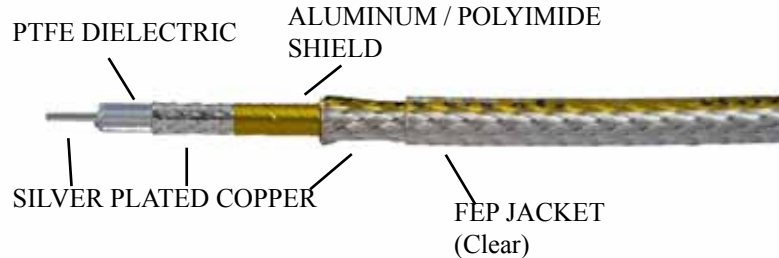


LOW LOSS 50 Ω COAXIAL CABLE



This cable is particularly suitable for GPS, TCAS, MLS, Mode S and SATCOM installations. It is dimensionally identical to RG142, but has lower loss and improved shielding.

This special coaxial design incorporates a multi-layered shielding technique that combines conventional shields with an inner braid woven of flat strips of silver plated copper. This “unitized” shield reduces attenuation at frequencies over 1 GHz when compared to round wire braids in standard coaxial cables. Additionally, the cable VSWR is lower because the braids can be applied more uniformly. The attenuation and VSWR variation due to aging and flexure is substantially less.

S44193 can be terminated with standard RG142/RG400 connectors.

It is Skydrol resistant, RoHS compliant and meets the FAA flammability requirements of FAR Part 23 and 25, Appendix F; complies with MIL-C-17 as applicable.

PHYSICAL DATA		ELECTRICAL DATA	
Conductors	19 AWG Solid SPC	Impedance (ohms)	50
Temperature	-55°C to +200°C	Capacitance (pF/ft)	29.4
Outer Diameter (in.)	0.195	Velocity of Propagation (%)	69.5
Minimum Bend Radius (in.)	1.00	Time Delay (ns/ft)	1.46
Weight (lbs / 100ft)	4.3	Shielding Effectiveness (dB)	-90
All values nominal unless otherwise noted See connector information on the next sheet		Attenuation (dB/100 ft) Nom/Max	
		@ 400 MHz	6.8 / 7.5
		@ 1.0 GHz	11.3 / 12.0
		@ 1.6 GHz	13.7 / 15.8
		@ 5.0 GHz	26.8 / 30.0

**Most Cables are in Stock and Available for Quick Delivery
Please Contact Customer Service for Details @ 262-246-0500**



CONNECTORS FOR PIC P/N S44193

Also fit PIC P/N S44191, RG142 and RG400

CONTACTS	PIC P/N
ARINC	
404 Size 1	190119
600 Size 1	190101
600 Modified Size 1	190102
600 Size 5	110123*
RF CONNECTORS	
BNC Straight Plug	190112
BNC 90° Plug	190113
BNC Inline Jack	190127
C Straight Plug	190106
C 90° Plug	190107
HN Straight Plug	190104
HN 90° Plug	190105
N Straight Plug	190110
N 90° Plug	190111
N Inline Jack	190124*
N Bulkhead Jack	110087*
SMA Inline Jack	190125*
SMA Straight Plug	110198*
SMA 90° Plug	110207*
TNC Straight Plug	190108
TNC 90° Plug	190109
TNC 75° Plug	190131
TNC Bulkhead Jack	190121
TNC Inline Jack	190123
QMA Straight Plug	110578 / 110576*
QMA 90° Plug	110579 / 110577*

*DIE SETS AVAILABLE ON LOAN OR FOR PURCHASE FROM PIC
REFER TO CONNECTOR DRAWING FOR TOOLING*

** Call PIC for availability*

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