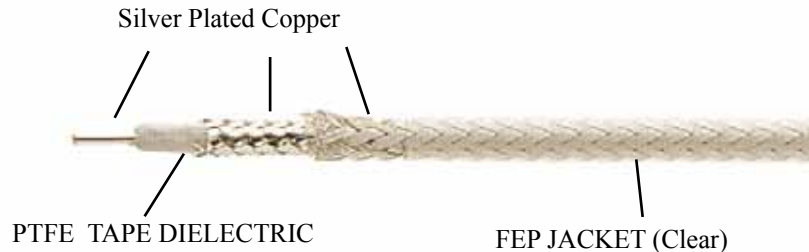


## LOW LOSS 50 Ω COAXIAL CABLE



Designed as a lightweight replacement for M17/60-RG142, S88207 is two-thirds the diameter and less than half the weight — 17 lbs vs 43 lbs per 1,000 ft. for RG142. This is accomplished through the use of a low-ε dielectric insulation between the center conductor and the shield. In addition, the inner braid is a silver-plated copper strip braid, offering improved shielding and greater strength than conventional wire braid.

Because of its small diameter and inner strip-braid construction, the cutoff frequency is 49 GHz, substantially greater than RG142's 33 GHz limit. Attenuation figures are approximately 20% better. An FEP jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

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

Conductor	20 AWG Solid SPC	Impedance (ohms)	50
Temperature	-55°C to +200°C	Capacitance (pF/ft)	25.0
Outer Diameter (in.)	0.130	Velocity of Propagation (%)	80.0
Minimum Bend Radius (in.)	0.65	Time Delay (ns/ft.)	1.27
Weight (lbs / 100ft)	1.9	Shielding Effectiveness (dB)	-80
		Attenuation (dB/100 ft) Nom/Max	
		@ 400 MHz	8.2 / 9.0
		@ 1.0 GHz	13.0 / 14.3
		@ 1.6 GHz	16.7 / 18.0
		@ 5.0 GHz	28.0 / 31.0

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



**CONNECTORS FOR PIC P/N S88207**

CONTACTS	PIC P/N
<b>ARINC</b>	
404 Size 1	190819
600 Size 1	190801
600 Modified Size 1	190802
Size 5	190803
Size 8 Pin	190837
Size 8 Socket	190829
<b>D-SUB</b>	
Size 8 Socket	110212
Precision 50 ohm Size 8 Pin	110260
Size 8 Pin	110286
<b>M39029 for MIL-C-38999 Connector</b>	
Size 8 Pin	190838
Size 8 Socket	190839
<b>RF CONNECTORS</b>	
BNC Straight Plug	190812
BNC 90° Plug	190813
BNC Inline Jack	190827*
C Straight Plug	190806
C 90° Plug	190807
HN Straight Plug	190804*
HN 90° Plug	190805
N Straight Plug	190810
N 90° Plug	190811
N Bulkhead Jack	190822
SMA Straight Plug	190814
SMA 90° Plug	190815
SMA Inline Jack	190825*
TNC Straight Plug	190808
TNC 90° Plug	190809
TNC Bulkhead Jack	190821
TNC Inline Jack	190823*

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

*\* Call PIC for availability*

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