

FLEXIBLE LOW LOSS 50 Ω COAXIAL CABLE



This cable is particularly suitable for GPS, TCAS, Mode-S, MLS and SATCOM installations.

This special coaxial design incorporates a multi-layered shielding technique that combines conventional shields with an inner shield 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.

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	12 AWG Stranded SPC	Impedance (ohms)	50
Temperature	-55°C to +200°C	Capacitance (pF/ft)	24.0
Outer Diameter (in.)	0.310	Velocity of Propagation (%)	84.0
Minimum Bend Radius (in.)	1.55	Time Delay (ns/ft.)	1.21
Weight (lbs / 100ft)	8.3	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	3.2 / 3.8
		@ 1.0 GHz	5.2 / 6.2
		@ 1.6 GHz	6.7 / 7.2
		@ 5.0 GHz	12.2 / 15.0

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



CONNECTORS FOR PIC P/N S55122

CONTACTS	PIC P/N
ARINC	
404 Size 1	190619
600 Size 1	190601
600 Modified Size 1	190602
RF CONNECTORS	
BNC Straight Plug	190612
BNC 90° Plug	190613
BNC Inline Jack	190627*
C Straight Plug	190606
C 90° Plug	190607
HN Straight Plug	190604
HN 90° Plug	190605
N Straight Plug	190610
N 90° Plug	190611
N Inline Jack	190624*
N Bulkhead Jack	190622*
SMA Straight Plug	190614
SMA 90° Plug	190615
SMA Inline Jack	190625
TNC Straight Plug	190608
TNC 90° Plug	190609
TNC 75° Plug	190631
TNC Inline Jack	190623*
TNC Bulkhead Jack	190621

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

**Call PIC for availability*

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

