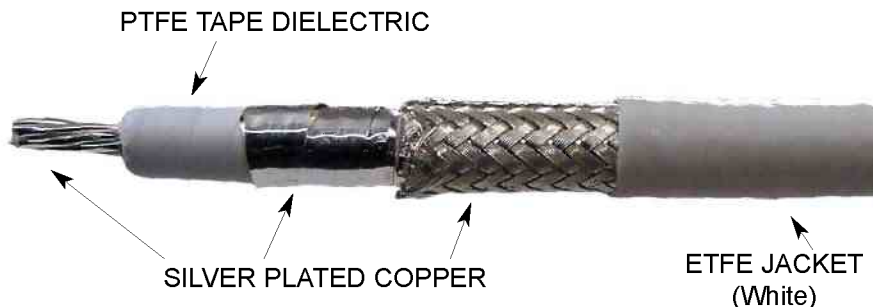


LIGHT WEIGHT LOW LOSS 50Ω COAXIAL CABLE



This is a flexible, unusually lightweight cable with electrical characteristics comparable to RG393, yet weighs less than 25%. It is half the diameter (and thus far more flexible), laser-markable, easier to terminate, and easily assembled in the field.

S65161 is 100% shielded construction, incorporating both silver-plated copper spiral (inner) and braided (outer) shields. The inner spiral shield conforms to the low-loss PTFE expanded-tape dielectric for superior uniformity and stability of all operating parameters, initially and over time.

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.

COMPARISON		
	S65161	RG393
Temperature (°C)	-55 to +200	-55 to +200
Attenuation @ 1.0 GHz	8.5 dB/100 ft.	8.5 dB/100 ft.
Diameter	0.197 in.	0.390 in.
Bend Radius	1.0 in.	2.0 in.
Weight	3.5 lbs./100 ft.	16.5 lbs./100 ft.

PHYSICAL DATA

Conductors	16 AWG Stranded SPC
Temperature	-55°C to +200°C
Outer Diameter (in)	0.197
Minimum Bend Radius (in)	1.07
Weight (lbs / 100ft)	3.57

ELECTRICAL DATA

Impedance (ohms)	50
Capacitance (pF/ft)	24.5
Velocity of Propagation	83%
Time Delay (ns/ft.)	1.22
Shielding Effectiveness (dB)	-110
Attenuation (dB/100 ft) Nom/Max	
	@ 400 MHz 5.6 / 6.1
	@ 1.0 GHz 9.3 / 10.2
	@ 1.6 GHz 12.1 / 13.3
	@ 5.0 GHz 22.6 / 24.9

All values nominal unless otherwise noted
See connector information on the next sheet



**MOST CABLES ARE IN STOCK AND AVAILABLE FOR QUICK DELIVERY
PLEASE CONTACT CUSTOMER SERVICE FOR DETAILS @ 262-246-0500**



CONNECTORS FOR PIC P/N S65161

CONTACTS	PIC P/N
ARINC	
404 Size 1	190519A
600 Size 1	190501A
600 Modified Size 1	190502A
RF CONNECTORS	
BNC Straight Plug	190512A
BNC 90° Plug	190513A
C Straight Plug	190506A
C 90° Plug	190507A
HN Straight Plug	190504A
HN 90° Plug	190505A
N Straight Plug	190510A
N 90° Plug	190511A
N InLine Jack	190524A
N Bulkhead Jack	190522A
TNC Straight Plug	190508A
TNC 90° Plug	190509A
TNC 75° Plug	190531A
TNC InLine Jack	190523A
TNC Bulkhead Jack	190521A

DIE SETS AVAILABLE ON LOAN OR FOR PURCHASE FROM PIC

REFER TO CONNECTOR DRAWING FOR TOOLING