

VERY LIGHT WEIGHT LOW LOSS 50 Ω 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.

PHYSICAL DATA

ELECTRICAL DATA

| | | | |
|--|---------------------|---------------------------------|-------------|
| Conductors | 16 AWG Stranded SPC | Impedance (ohms) | 50 |
| Temperature | -55°C to +200°C | Capacitance (pF/ft) | 24.5 |
| Outer Diameter (in) | 0.195 | Velocity of Propagation (%) | 83.0 |
| Minimum Bend Radius (in) | 1.00 | Time Delay (ns/ft.) | 1.23 |
| Weight (lbs / 100ft) | 3.5 | Shielding Effectiveness (dB) | -110 |
| All values nominal unless otherwise noted See connector information on the next sheet | | Attenuation (dB/100 ft) Nom/Max | |
| | | @ 400 MHz | 4.7 / 5.5 |
| | | @ 1.0 GHz | 7.9 / 8.7 |
| | | @ 1.6 GHz | 9.5 / 10.5 |
| | | @ 5.0 GHz | 18.0 / 21.0 |

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



CONNECTORS FOR PIC P/N S65161

| CONTACTS | PIC P/N |
|----------------------|-----------------|
| ARINC | |
| 404 Size 1 | 190519A |
| 600 Size 1 | 190501A |
| 600 Modified Size 1 | 190502A |
| 600 Size 5 | 110279* |
| RF CONNECTORS | |
| BNC Straight Plug | 190512A |
| BNC 90° Plug | 190513A |
| BNC Inline Jack | 190527A* |
| 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* |
| SMA Straight Plug | 190514A* |
| SMA 90° Plug | 190515A* |
| SMA Inline Jack | 190525A* |
| TNC Straight Plug | 190508A |
| TNC 90° Plug | 190509A |
| TNC 75° Plug | 190531A |
| TNC Inline Jack | 190523A* |
| TNC Bulkhead Jack | 190521A |
| QMA Straight Plug | 110580 / 110476 |
| QMA 90° Plug | 110581 / 110477 |

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

** Call PIC for availability*

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