



Using the latest technologies and materials, PIC Wire & Cable's 50 ohm coaxial and triaxial cables are designed and manufactured to meet the most stringent electrical and mechanical performance criteria required for advanced electronic applications including lightweight, low loss, high flexibility, high EMI immunity, high temperature and high corrosion resistance. All are Skydrol resistant, RoHS compliant, meet the FAA flammability requirements of FAR Part 23 and 25, Appendix F and comply with MIL-C-17 as applicable.

For over 40 years, PIC Wire & Cable has been a global provider of electronic cables, cable connectors, cable assemblies and antenna gaskets for demanding military, corporate and commercial applications that include airplanes, helicopters, ground vehicles, rail transport and marine vessels. PIC cables, connectors and cable assemblies are widely specified for use in major aerospace and military systems throughout the world.

Navigation:

- DME • GPS
- Radio Altimeter
- VOR
- Marker Beacon

Collision Avoidance:

- TCAS • TAS
- ACAS • Mode S
- Skywatch
- ADS-B

Communications:

- HF • VHF • UHF
- AirCell
- Cellular
- Satcom

50 OHM RF CABLE SOLUTIONS

Physical and Electrical Data

All values nominal unless otherwise noted

Coaxial Cable	Conductor	Loss @ 1.0 GHz dB/100 ft (dB/100 m)	Cable O.D. in (mm)	Weight lbs/100 ft (kg/100 m)	Operating Temperature Range (°C)	Shielding Effectiveness (dB)
S22089	10 AWG Stranded	3.5 (11.5)	0.44 (11.05)	18.0 (26.8)	-55/+200	-90
S55122	12 AWG Stranded	5.1 (16.7)	0.31 (7.87)	8.3 (12.4)	-55/+200	-90
S33141	14 AWG Stranded	6.7 (22.0)	0.27 (6.86)	6.5 (9.7)	-55/+200	-90
S67163	15 AWG Solid	7.0 (23.0)	0.23 (5.72)	5.4 (8.0)	-55/+200	-90
S65161-A	16 AWG Stranded	8.2 (26.9)	0.20 (4.95)	3.5 (5.2)	-65/+200	-110
S44193	19 AWG Solid	11.1 (36.4)	0.20 (4.95)	4.3 (6.4)	-55/+200	-90
S44191	20 AWG Stranded	11.8 (38.7)	0.20 (4.95)	4.3 (6.4)	-55/+200	-90
S88207	20 AWG Solid	12.8 (42.0)	0.13 (3.30)	1.9 (2.8)	-55/+200	-80
S86208	21 AWG Stranded	14.1 (46.3)	0.13 (3.30)	2.0 (2.9)	-55/+200	-80
S40501	24 AWG Solid	19.4 (63.6)	0.10 (2.54)	1.4 (2.1)	-55/+200	-110
S46191	20 AWG Stranded	21.5 (70.5)	0.20 (4.95)	2.7 (4.0)	-55/+150	-75
S31601	26 AWG Stranded	26.3 (86.3)	0.10 (2.59)	1.0 (1.5)	-55/+200	-90
Triaxial Cable						
L8620TX	21 AWG Stranded	15.1 (49.5)	0.17 (4.39)	2.9 (4.3)	-55/+150	-90
L2201TX	20 AWG Stranded	20.4 (66.9)	0.25 (6.22)	6.0 (8.9)	-55/+150	-75