

**NEW**

**PIC**  **RFMATES® ULTRALITE**

HIGH STANDARDS.  
HIGHER QUALITY.



Addressing the growing demand and need for lighter weight interconnects, we have expanded our RFMATES® line of 50 ohm cables with three new ULTRALITE selections. 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. In addition, they are designed and manufactured to meet the most stringent electrical and mechanical performance criteria required for advanced electronic applications including low loss, high flexibility, high EMI immunity, high temperature & high corrosion resistance.

Our RFMATES® cables, connectors and assemblies are widely specified for use in major aerospace and military systems worldwide, including:

**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

*RFMATES® ULTRALITE advances interconnect technology further as PIC Wire & Cable continues to raise the standard for quality higher.*

## ULTRALITE 50 OHM RF CABLE SOLUTIONS

### NEXT GENERATION **LITEWEIGHT RF COAXIAL CABLES** COMPARE TO RG142 & RG393

#### Physical and Electrical Data

All values nominal unless otherwise noted

Coaxial Cable	Conductor	Loss @ 1.0 GHz dB/100 ft (dB/100 m)	Weight lbs/100 ft (kg/100 m)	Bend Radius in (mm)	Cable O.D. in (mm)	Temperature Range (°C)	Shielding Effectiveness (dB)
UH67163	14 AWG Solid SPCCA	6.2 (20.3)	3.4 (5.1)	1.20 (30.48)	0.227 (5.766)	-65/+150	-110
UH22089	10 AWG Solid SPCCA	3.5 (11.5)	7.2 (10.7)	1.70 (43.18)	0.345 (8.763)	-65/+150	-110
UH44193	19 AWG Solid SPCCS	10.4 (34.1)	1.9 (2.9)	0.80 (20.32)	0.152 (3.861)	-65/+150	-110
RG142	19 AWG Solid SPCCS	13.4 (44.0)	4.3 (6.4)	1.00 (25.40)	0.195 (4.953)	-55/+200	-75
RG393	12 AWG Stranded SPC	7.7 (25.2)	17.5 (26.4)	1.95 (49.53)	0.390 (9.906)	-55/+200	-75



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ISO 9001 • AS 9100



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