



Addressing the growing demand and need for lighter weight interconnects, we have expanded our RFMATES® line of 50 ohm cables with four 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

## LIGHTWEIGHT CABLE APPLICATIONS

### Physical and Electrical Data

All values nominal unless otherwise noted

Cable	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)	Shielding Effectiveness (dB)
<b>UH25107</b>	<b>2.8 (9.2)</b>	<b>12 (17.9)</b>	<b>2.50 (63.50)</b>	<b>0.445 (11.303)</b>	<b>-110</b>
R6211	4.5 (14.8)	64.1 (95.4)	3.6 (91.44)	0.730 (18.542)	-50
<b>UH22089</b>	<b>3.5 (11.5)</b>	<b>7.2 (10.7)</b>	<b>1.70 (43.18)</b>	<b>0.345 (8.763)</b>	<b>-110</b>
S22089	3.5 (11.5)	18.0 (26.8)	2.50 (63.50)	0.435 (11.049)	-90
S55122	5.1 (16.7)	8.3 (12.4)	1.55 (39.37)	0.310 (7.874)	-90
<b>UH67163</b>	<b>6.2 (20.3)</b>	<b>3.4 (5.1)</b>	<b>1.20 (30.48)</b>	<b>0.227 (5.766)</b>	<b>-110</b>
S33141	6.7 (22.0)	6.5 (9.7)	1.40 (35.56)	0.270 (6.858)	-90
S67163	7.0 (23.0)	5.4 (8.0)	1.20 (30.48)	0.225 (5.715)	-90
R6393	7.7 (25.2)	17.5 (26.4)	1.95 (49.53)	0.390 (9.906)	-75
S65161-A	8.2 (26.9)	3.5 (5.2)	1.00 (25.40)	0.195 (4.953)	-110
<b>UH44193</b>	<b>10.4 (34.1)</b>	<b>1.9 (2.9)</b>	<b>0.80 (20.32)</b>	<b>0.152 (3.861)</b>	<b>-110</b>
S44193	11.1 (36.4)	4.3 (6.4)	1.00 (25.40)	0.195 (4.953)	-90
S44191	11.8 (38.7)	4.3 (6.4)	1.00 (25.40)	0.195 (4.953)	-90
S88207	12.8 (42.0)	1.9 (2.8)	0.65 (16.51)	0.130 (3.302)	-80
R6142	13.4 (44.0)	4.3 (6.4)	1.00 (25.40)	0.195 (4.953)	-75
S86208	14.1 (46.3)	2.0 (2.9)	0.65 (16.51)	0.130 (3.302)	-80
R6400	17.0 (55.8)	5.0 (7.4)	1.00 (25.40)	0.195 (4.953)	-75