

Our 50 Ohm RF Cables provide low attenuation, a lightweight design and easy installation, we're confident it'll exceed your expectations. Switching to PICMates RF cables will allow you to save on a variety of things - from fuel consumption to making your equipment easier to install, without sacrificing performance.

We design them to have optimal characteristics like small size, low weight and outstanding strength and offer two types of construction to ensure you get the right coaxial cable for your application, **UltraLite RF Cables** and our **S Line of RF Cables**.

APPLICATIONS:

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S
- Other Harsh Aerospace Environments

ULTRALITE COAX CABLES Premium coaxial cables built with low loss and ultra-lightweight materials

PHYSICAL & ELECTRICAL DATA

All values nominal, unless otherwise noted

PART #	IMPEDANCE	DATA CONDUCTOR	JACKET	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	SHIELDING EFFECTIVENESS (dB min)
UH25107	50 Ω	8 AWG Solid SPCCA	Extruded ETFE , White (Laser Markable)	12.0 (17.9)	0.45 (11.3)	-110
UH22089	50 Ω	10 AWG Solid SPCCA	Extruded ETFE , White (Laser Markable)	7.2 (10.7)	0.35 (8.76)	-110
UH67163	50 Ω	14 AWG Solid SPCCA	Extruded ETFE , White (Laser Markable)	3.4 (5.1)	0.22 (5.77)	-110
UH44193	50 Ω	19 AWG Solid SPCCS	Extruded ETFE , White (Laser Markable)	1.9 (2.9)	0.16 (3.94)	-110

Materials Key: TPC – Tin-Plated Copper, SPC – Silver-Plated Copper, SPCA – Silver-Plated Copper Alloy



50 OHM RF CABLE SOLUTIONS

S COAX CABLES The workhorse of the industry with decades of proven performance in the aerospace and defense markets

PHYSICAL & ELECTRICAL DATA

All values nominal, unless otherwise noted

PART #	IMPEDANCE	DATA CONDUCTOR	JACKET	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	TEMP. RANGE	SHIELDING EFFECTIVENESS (dB min)
S22089	50 Ω	10 AWG Stranded SPC	Extruded Clear FEP	18 (26.8)	0.44 (11.05)	-55/+200 °C	-90
S55122	50 Ω	12 AWG Stranded SPC	Extruded FEP, Clear	8.3 (12.4)	0.31 (7.87)	-55/+200 °C	-90
S33141	50 Ω	14 AWG Stranded SPC	Extruded FEP, Clear	6.5 (9.7)	0.27 (6.86)	-55/+200 °C	-90
S67163	50 Ω	15 AWG Solid SPC	Extruded FEP, Clear	5.4 (8.0)	0.23 (5.72)	-55/+200 °C	-90
S65161-A	50 Ω	16 AWG Stranded SPC	Extruded ETFE, White (Laser Markable)	3.5 (5.2)	0.20 (4.95)	-55/+200 °C	-110
S44193	50 Ω	19 AWG Solid SPCCS	Extruded FEP, Clear	4.3 (6.4)	0.20 (4.95)	-55/+200 °C	-90
S46191	50 Ω	20 AWG Stranded TPC	Extruded FEP, Tan	2.68 (4.0)	0.20 (4.95)	-55/+150 °C	-75
S88207	50 Ω	20 AWG Solid SPC	Extruded FEP, Clear	1.9 (2.8)	0.13 (3.3)	-55/+200 °C	-80
S44191	50 Ω	20 AWG Stranded SPC	Extruded FEP, Clear	4.3 (6.4)	0.20 (4.95)	-55/+200 °C	-90
S86208	50 Ω	21 AWG Stranded SPC	Extruded FEP, Clear	1.95 (2.9)	0.13 (3.3)	-55/+200 °C	-80
S40501	50 Ω	24 AWG Solid SPCCS	Extruded FEP, Blue	1.4 (2.1)	0.10 (2.54)	-55/+200 °C	-110
S31601	50 Ω	26 AWG Stranded SPCCS	Extruded ETFE, White (Laser Markable)	1.0 (1.5)	0.10 (2.59)	-55/+200 °C	-90

Materials Key: TPC – Tin-Plated Copper, SPC – Silver-Plated Copper, SPCCS – Silver-Plated Copper Alloy

50 OHM TRIAX CABLES

PHYSICAL & ELECTRICAL DATA

PART #	IMPEDANCE	DATA CONDUCTOR	OUTER JACKET	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	TEMP. RANGE	SHIELDING EFFECTIVENESS (dB min)
L8620TX	50 Ω	21 AWG Stranded SPC	ETFE, White (Laser Markable)	2.9 (4.3)	0.17 (4.39)	-55/+150 °C	-90
L2201TX	50 Ω	20 AWG Stranded SPC	ETFE, White (Laser Markable)	6.0 (8.9)	0.24 (6.22)	-55/+150 °C	-75