

Our 50 Ohm RF Cables provide low attenuation, a lightweight design and easy installation. 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

50 OHM ULTRALITE® COAX CABLES Premium coaxial cables built with low loss and ultra-lightweight

PHYSICAL & ELECTRICAL DATA

All values nominal, unless otherwise noted

PART #	DATA CONDUCTOR	LOSS @ 1.0 GHz NOM/MAX dB/100 FT. (100 M)	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	BEND RADIUS IN (MM)	SHIELDING EFFECTIVENESS (dB min)	JACKET
UH25107	8 AWG Solid SPCCA	2.8/3.1 (9.2/10.2)	12.0 (17.9)	0.445 (11.3)	2.5 (63.5)	-110	Extruded ETFE , White (Laser Markable)
UH22089	10 AWG Solid SPCCA	3.5/3.9 (11.5/12.8)	7.2 (10.7)	0.345 (8.76)	1.7 (43.18)	-110	Extruded ETFE , White (Laser Markable)
UH67163	14 AWG Solid SPCCA	6.2/6.8 (20.3/22.3)	3.4 (5.1)	0.227 (5.77)	1.2 (30.48)	-110	Extruded ETFE , White (Laser Markable)
UH44193	19 AWG Solid SPCCS	10.4/11.6 (34.1/38.1)	1.9 (2.8)	0.155 (3.94)	0.8 (20.32)	-110	Extruded ETFE , White (Laser Markable)

Materials Key: **SPCCS** – Silver Plated Copper Clad Steel, **SPCCA** – Silver-Plated Copper Clad Aluminum



50 OHM RF CABLE SOLUTIONS

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

PHYSICAL & ELECTRICAL DATA

All values nominal, unless otherwise noted

PART #	DATA CONDUCTOR	LOSS @ 1.0 GHz NOM/MAX dB/100 FT. (100 M)	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	BEND RADIUS IN (MM)	SHIELDING EFFECTIVENESS (dB min)	JACKET
S22089	10 AWG Stranded SPC	3.5/3.9 (11.5/12.8)	18 (26.8)	0.435 (11.05)	2.5 (63.5)	-90	Extruded Clear, FEP
S55122	12 AWG Stranded SPC	5.1/5.6 (16.7/18.4)	8.3 (12.4)	0.31 (7.87)	1.55 (39.37)	-90	Extruded FEP, Clear
S33141	14 AWG Stranded SPC	6.7/7.4 (22.0/24.3)	6.5 (9.7)	0.27 (6.86)	1.4 (35.56)	-90	Extruded FEP, Clear
S67163	15 AWG Solid SPC	7.0/7.7 (23.0/25.3)	5.4 (8.0)	0.225 (5.72)	1.2 (30.48)	-90	Extruded FEP, Clear
S65161-A	16 AWG Stranded SPC	8.2/9.1 (26.9/29.9)	3.5 (5.2)	0.195 (4.95)	1 (25.4)	-110	Extruded ETFE, White (Laser Markable)
S44193	19 AWG Solid SPCCS	11.1/12.2 (36.4/40.0)	4.3 (6.4)	0.195 (4.95)	1 (25.4)	-90	Extruded FEP, Clear
S44191	20 AWG Stranded SPC	11.8/13.0 (38.7/42.7)	4.3 (6.4)	0.195 (4.95)	1 (25.4)	-90	Extruded FEP, Clear
S88207	20 AWG Solid SPC	12.8/4.1 (42.0/46.3)	1.9 (2.8)	0.13 (3.3)	0.65 (16.51)	-80	Extruded FEP, Clear
S86208	21 AWG Stranded SPC	14.1/15.5 (46.3/50.9)	1.95 (2.9)	0.13 (3.3)	0.65 (16.51)	-80	Extruded FEP, Clear
S40501	24 AWG Solid SPCCS	19.4/21.4 (63.6/70.2)	1.4 (2.1)	0.104 (2.64)	0.625 (16)	-110	Extruded FEP, Solid Blue
S46191	20 AWG Stranded TPC	22.3/24.6 (73.2/80.7)	2.68 (4.0)	0.195 (4.95)	1 (25.4)	-75	Extruded FEP, Brown Tint, Translucent
S31601	26 AWG Stranded SPCCS	26.3/31.2 (86.3/102.4)	1.0 (1.5)	0.102 (2.59)	0.5 (12.7)	-90	Extruded ETFE, White (Laser Markable)

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

50 OHM TRIAX CABLES

PHYSICAL & ELECTRICAL DATA

PART #	DATA CONDUCTOR	LOSS @ 1.0 GHz NOM/MAX dB/100 FT. (100 M)	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	BEND RADIUS IN (MM)	SHIELDING EFFECTIVENESS (dB min)	JACKET
L8620TX	21 AWG Stranded SPC	15.1/16.6 (49.5/54.5)	2.9 (4.3)	0.173 (4.39)	0.9 (21.59)	-90	Extruded ETFE, White (Laser Markable)
L2201TX	20 AWG Stranded TPC	20.4/22.4 (66.9/73.5)	6.0 (8.9)	0.245 (6.22)	1.3 (31.75)	-75	Extruded, FEP, Clear

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