

High-frequency applications on the X, Ku and K bands need cables with outstanding signal integrity and low insertion loss. Our 50 Ohm microwave cable assemblies are designed specifically for this purpose. These high-frequency cables are designed to optimize performance and give system designers flexibility. Our products give you superior signal integrity, low insertion loss, less RF interference, and a robust yet easy-to-install design.

**APPLICATIONS:**

- Navigation/communication systems
- Electronic warfare (EW) systems
- Electronic Surveillance
- Countermeasures/Jamming
- Radar warning receiver (RWR) systems
- Electronic/signal intelligence
- C5ISR (Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance, and Reconnaissance)
- Other Harsh Aerospace Environments

**PHYSICAL & ELECTRICAL DATA**

*All values nominal, unless otherwise noted*

PART #	DATA CONDUCTOR	MAX FREQUENCY	JACKET	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	V.O.P. %	SHIELDING EFFECTIVENESS (dB min)
HH85295F	11 AWG Solid SPC	18 GHz	Extruded FEP, Olive Drab	7.9 (11.8)	0.29 (7.37)	83	-110
HT77300F	12 AWG Solid SPC	18 GHz	Extruded FEP, Olive Drab	8.8 (13.1)	0.30 (7.62)	77	-90
HT77210F	16 AWG Solid SPC	26 GHz	Extruded FEP, Olive Drab	4.5 (6.7)	0.21 (5.28)	76.5	-90

Materials Key: SPC – Silver-Plated Copper



**HIGH FREQUENCY CABLE SOLUTIONS**