



To provide high bandwidth for data and support satellite communications, PIC Wire & Cable® is once again advancing the market. Like all our 50 ohm RF cables, our high frequency cables feature minimum 200°C on all materials. With over 45 years of design and manufacturing expertise our high frequency cables reduce weight, decrease loss and improve EMI performance.

Designed specifically to serve Ku Band & X Band applications, our MicroMATES® cables feature: inner flat braid or strip braid, high temp polyimide foil, dual braided shields and silver-plated copper throughout—everything to make your job easier and your platform more productive.

Custom Cable Assemblies

Proper cable assembly is critical to realizing the full benefits of the cable and connector technology. Our special tooling and specialized technicians ensure your job is done to precision. Maximize the performance of your microwave cables with:

- Certified Test Process & Equipment
- Phase-matched Ship Sets
- Qualified Assembly Experts
- ISO 9001; AS 9100 Certification
- Complete Lot Traceability
- Improved Supply Chain Efficiency

HIGH FREQUENCY SOLUTIONS

Physical and Electrical Data

All values nominal unless otherwise noted

Coaxial Cable	Cable O.D. in (mm)	Weight lbs/100 ft (kg/100 m)	Temperature Range (°C)	Shielding Effectiveness (dB)	VOP	Loss @ 1 GHz dB/100 ft (dB/100 m)	Loss @ 12 GHz dB/100 ft (dB/100 m)	Loss @ 18 GHz dB/100 ft (dB/100 m)
HT77300F	0.30 (7.62)	8.8 (13.1)	-55/+200	-90	77.0%	5.0 (16.4)	19.5 (64.0)	24.7 (81.0)
HT77210F	0.21 (5.28)	4.5 (6.7)	-55/+200	-90	76.5%	7.6 (24.9)	29.5 (96.8)	37.3 (122.4)
HH85295F	0.29 (7.37)	7.9 (11.8)	-55/+200	-110	83.0%	3.8 (12.5)	15.4 (50.5)	19.7 (64.6)

2 WEEK LEAD TIME OR LESS ON MANY ASSEMBLIES

Call 800.742.3191 Regarding MicroMATES Availability

See Back for Connector and Physical & Electrical Data

Attribute Overview

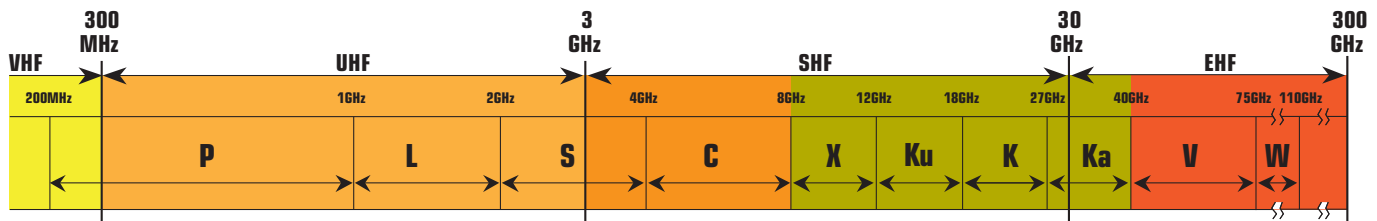
Coaxial Cable	Max Freq	Size	EMI Resist	Loss	Weight	Flex Life
HT77300F	18GHz	Small	High	Low	Light	Very High
HT77210F	26GHz	Very Small	High	Low	Light	Very High
HH85295F	18GHz	Small	Very High	Very Low	Light	High

Connector Data

HT77300F	HT77210F	HH85295F	CONNECTOR TYPE
120208	120508	120608	TNC Straight Plug
120209	120509	120609	TNC 90 Degree Plug
120221	120521	120621	TNC Bulkhead Jack
120210	120510	120610	N Straight Plug
120211	120511	120611	N 90 Degree Plug
120222	N/A	120622	N Bulkhead Jack
120214	120514	120614	SMA Straight Plug
120215	120515	120615	SMA 90 Degree Plug
N/A	120534	N/A	BMB Jack Snap Mount
N/A	120535	N/A	BMB SZ 5 Jack

Call PIC For Other Connector Availability

Electromagnetic Spectrum



PIC  **MicroMATES®**
SPECTRUM