

CABLE CONSTRUCTION

1. Fluoropolymer Jacket (Olive Drab)
2. Round Silver-Plated Copper
3. Silver-Plated Copper Spiral Shield
4. PTFE Dielectric
5. Solid Silver-Plated Copper

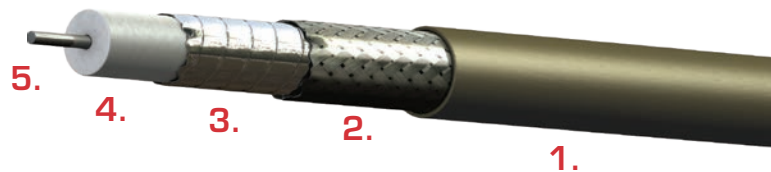
Designed specifically to serve High Frequency Applications on the Ku band & X band, this new Microwave Cable features minimum 200°C on all materials, Silver-Plated Copper throughout. HH85295F is 100% shielded construction, incorporating a flat spiral wrapped shield which achieves -110 dB shielding effectiveness, same as a solid copper tube. The inner spiral shield conforms to the low-loss PTFE dielectric for superior uniformity and stability of all operation parameters, initially and over time.

Special tooling and specialized technicians ensure your custom cable assembly is done to precision—maximizing the performance of the PIC HH85295F with: Certified Test Process & Equipment-- ISO 9001/AS 9100; Phase-matched Ship Sets; Complete Lot Traceability; Certified Test Reports; and Improved Supply Chain Efficiency. [For quality assurance this cable is sold in an assembly only].

CONNECTOR DATA

PIC P/N	CONNECTOR TYPE
120608	TNC Straight Plug
120609	TNC 90 Degree Plug
120621	TNC Bulkhead Jack
120610	N Straight Plug
120611	N 90 Degree Plug
120622	N Bulkhead Jack
120614	SMA Straight Plug
120615	SMA 90 Degree Plug

Call PIC For Other Connector Availability



PHYSICAL DATA

- Conductor 11 AWG Solid Silver-Plated Copper
- Operating Temperature -55° to +200°C
- Outer Diameter: in (mm) 0.29 (7.37)
- Minimum Bend Radius: in (mm) 1.5 (38.1)
- Weight: lbs/100 ft (kg/100 m) 7.9 (11.8)
- Complies with RoHS (Directive 2002/95/EC)
- Complies with FAR Part 23 and 25, Appendix F

ELECTRICAL DATA

- Impedance: ohms 50
- Capacitance: pF/ft (m) 24.0 (78.8)
- Velocity of Propagation: % 83.0
- VSWR (Gated) Max 1.20:1
- RF Shielding Effectiveness: dB/min -110
- Attenuation: Nom / Max dB/100 ft (dB/100 m)
 - @1 GHz 3.7 / 4.2 (12.1 / 13.8)
 - @3 GHz 6.9 / 7.6 (22.6 / 24.9)
 - @6 GHz 10.2 / 11.3 (33.5 / 37.1)
 - @12 GHz 15.4 / 17.0 (50.5 / 55.8)
 - @18 GHz 19.7 / 21.8 (64.6 / 71.5)
- K Values (max loss): K1 = 3.86, K2 = 0.30
- Formula for Attenuation: $(K1 * \sqrt{F(GHz)} + (K2 * F(GHz)))$

All values nominal unless otherwise noted

CALL 800.742.3191 REGARDING CABLE AVAILABILITY