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**Tin-dipped Hand-formable
 Microwave Cable**

MECHANICAL CHARACTERISTICS

| | |
|--|----------------|
| Wire Diameter, inch (mm) | 0.036 (0.914) |
| Effective Dielectric Diameter, inch (mm) | 0.118 (2.997) |
| Outer Conductor Diameter, inch (mm) | 0.14 (3.556) |
| Jacket Diameter, inch (mm) | Not Applicable |
| Bend Radius, inch (mm) | 0.375 (9.525) |
| Maximum Length, feet (meter) | 1000 (305) |
| Weight, grams/ft. (meter) | 12.7 (41.7) |

ELECTRICAL CHARACTERISTICS

| | | |
|-----------------------------------|------------------|-----------------------|
| Impedance, ohms | 50 | |
| Frequency Range | DC-20 | |
| Velocity of Propagation | 70 | |
| Capacitance, pF/ft. (pF/meter) | 29 (95.1) | |
| Shielding Effectiveness, dB | >100 | |
| Insertion Loss, dB/ft. (dB/meter) | Frequency | Insertion Loss |
| | 0.5 GHz | 0.09 (0.28) |
| | 1.0 GHz | 0.12 (0.41) |
| | 10.0 GHz | 0.49 (1.59) |
| | 18.0 GHz | 0.71 (2.34) |
| Power Handling | See Graph | |

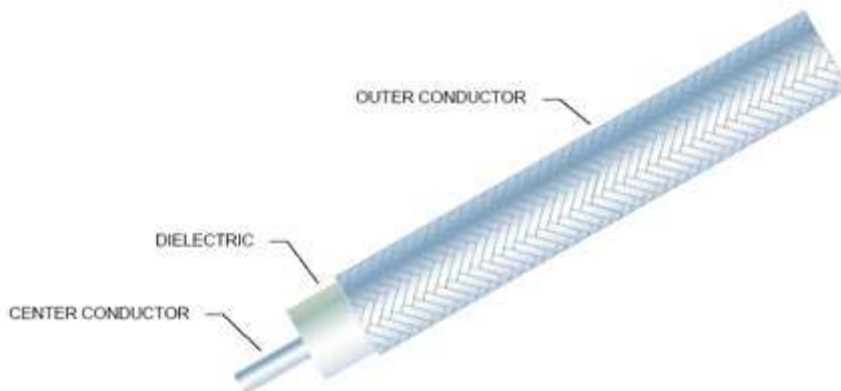
ENVIRONMENTAL CHARACTERISTICS

| | |
|------------------------------|-----|
| Maximum Temperature, Celsius | 200 |
|------------------------------|-----|

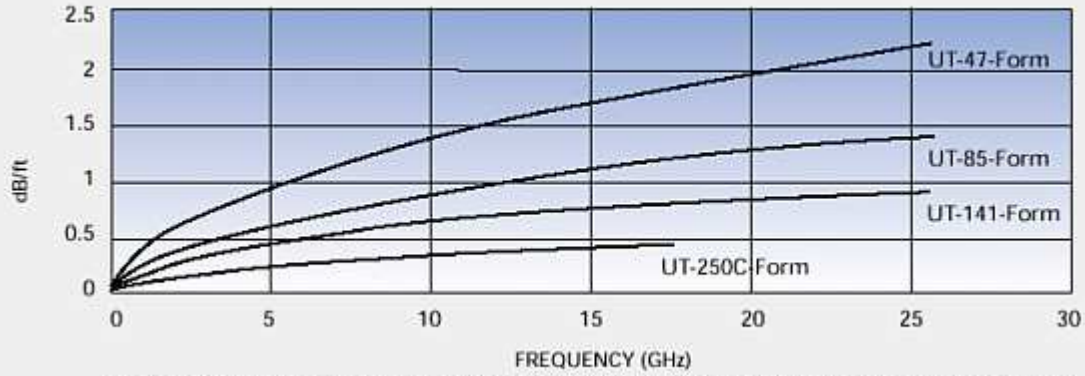
MATERIALS

| | |
|-----------------|------------------|
| Wire | SPCW |
| Dielectric | PTFE |
| Outer Conductor | Tin dipped braid |
| Jacket | Not Applicable |

CUTAWAY

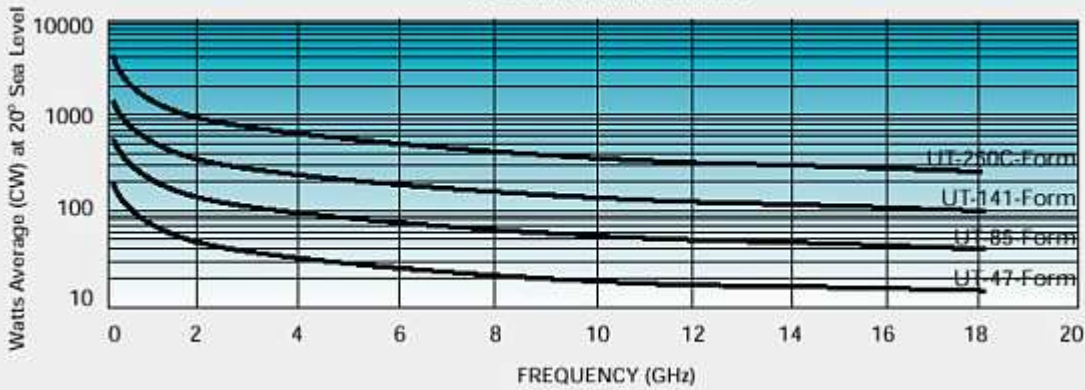


MAXIMUM INSERTION LOSS



Note: "LL" versions of UT-85 and UT-141-Form exhibit up to 10% lower insertion loss depending upon frequency

POWER HANDLING



Note: "LL" versions of UT-85-Form and UT-141-Form can handle approximately 10% more power