

## UT-141C-Form

### 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-18                     |                       |
| Velocity of Propagation           | 70                        |                       |
| Capacitance, pF/ft. (pF/meter)    | 29 (95.1)                 |                       |
| Shielding Effectiveness, dB       | >100                      |                       |
| Insertion Loss, dB/ft. (dB/meter) | <b>Frequency</b>          | <b>Insertion Loss</b> |
|                                   | 0.5 GHz                   | 0.09 (0.28)           |
|                                   | 1.0 GHz                   | 0.12 (0.41)           |
|                                   | 10.0 GHz                  | 0.48 (1.59)           |
|                                   | 18.0 GHz                  | 0.71 (2.34)           |
| Power Handling                    | See Graph for UT-141-Form |                       |

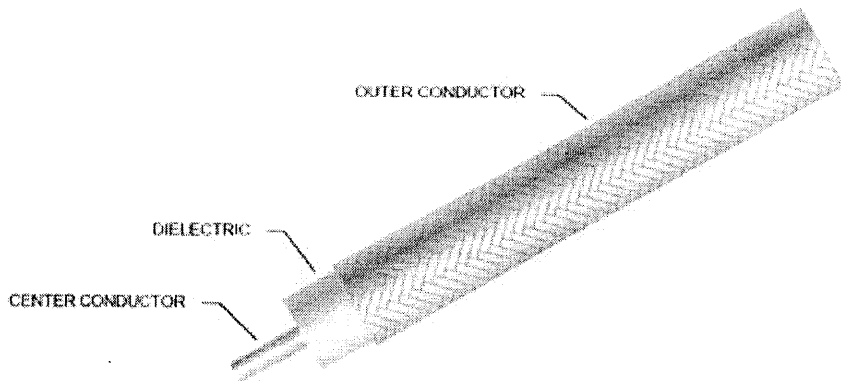
#### ENVIRONMENTAL CHARACTERISTICS

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

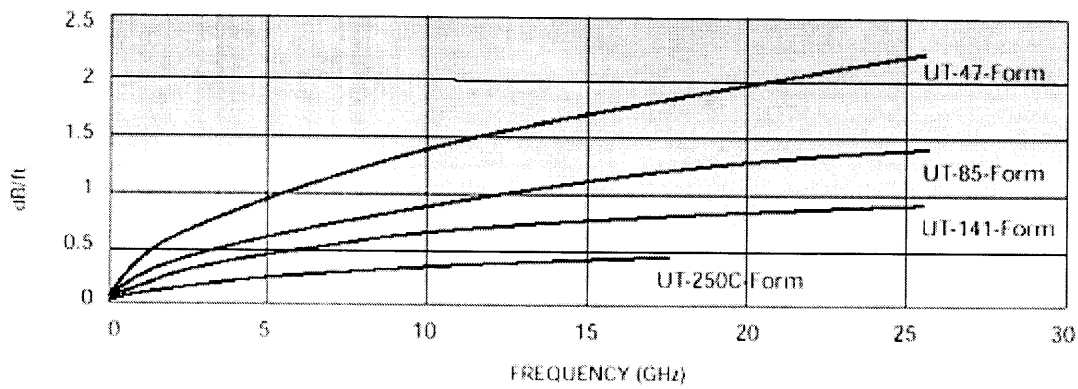
#### MATERIALS

|                 |                    |
|-----------------|--------------------|
| Wire            | SPC                |
| Dielectric      | PTFE               |
| Outer Conductor | Alloy dipped braid |
| Jacket          | Not Applicable     |

#### CUTAWAY

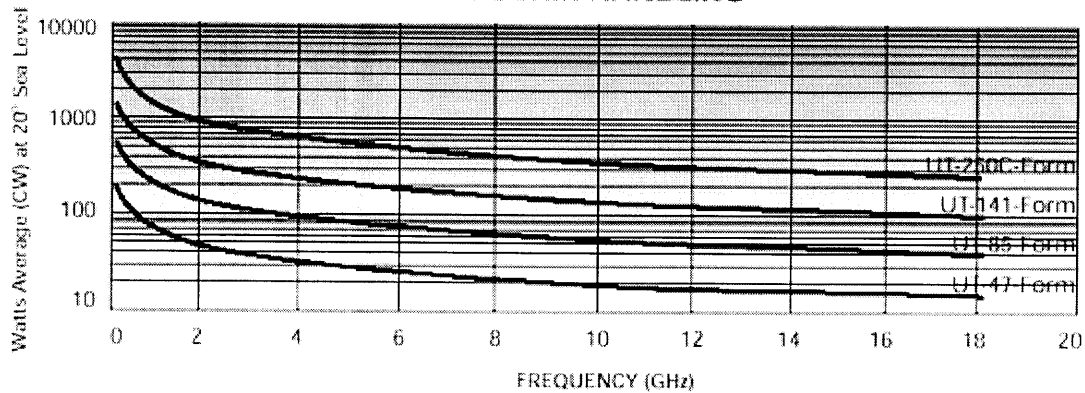


### MAXIMUM INSERTION LOSS



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