



**.020 DIA.
50 OHM COPPER**

| | | HCMC PART NUMBERS | | |
|--|-------------------|--------------------------|---------------|------------------|
| ELECTRICAL DATA | HC 11000-1 | HC 11000-3 | | |
| Impedance (Ohms) | 50 +/- 2.0 | 50 +/- 2.0 | | |
| Dielectric Strength (KVRMS 60 Hz) | 0.75 | 0.75 | | |
| Corona Extinction (KVRMS 60 Hz) | 0.50 Min | 0.50 Min | | |
| Max Operating Frequency (GHz) | 270 | 270 | | |
| MAX ATTENUATION, db/100 FT. AT 20°C AND AVG. PWR., WATTS, UNITY VSWR, 40°C AMB., STILL AIR | | | | |
| FREQUENCY GHz | ATTEN. | AVG. PWR. | ATTEN. | AVG. PWR. |
| 1.0 | 85.0 | 7.5 | 85.0 | 7.5 |
| 10.0 | 280.0 | 2.6 | 280.0 | 2.6 |
| 20.0 | 381.0 | 2.0 | 381.0 | 2.0 |
| MECHANICAL DATA | | | | |
| Inner Conductor O.D. (inches) | .0044 +/- .0002 | .0044 +/- .0002 | | |
| Inner Conductor Material | SPCW | SPCW | | |
| Inner Dielectric Material | PTFE, F1 | PTFE, F1 | | |
| Dielectric O.D. (inches) | .015 +/- .001 | .015 +/- .001 | | |
| Outer Conductor O.D. (inches) | .020 +/- .001 | .020 + .002 - .001 | | |
| Outer Conductor Material | COPPER | COPPER/TIN | | |
| Safe Bend Radius (proper tooling) (inch) | .50 | .50 | | |
| Max. Weight (lbs./1000 ft.) | 1.0 | 1.2 | | |
| Operating Temp. Max. Degrees C | -55 / +100 | -55 / +100 | | |