



**EZBEND**  
**.086 DIA.**  
**50 OHM COPPER**  
 Military (MIL-C-17) Cables

|  |                 | <b>HCMC PART NUMBERS</b>            |               |                  |
|--|-----------------|-------------------------------------|---------------|------------------|
| <b>ELECTRICAL DATA</b>   |                 | <b>HC 70000-2<br/>M17/133-00016</b> |               |                  |
| Impedance (Ohms)   | 50 +/- 1.0      |                                     |               |                  |
| Dielectric Strength (KVRMS 60 Hz)  | 5.0             |                                     |               |                  |
| Corona Extinction (KVRMS 60 Hz)  | 1.5 Min         |                                     |               |                  |
| Max Operating Frequency (GHz)  | 40              |                                     |               |                  |
| MAX ATTENUATION, db/100 FT. AT 20°C AND AVG. PWR., WATTS, UNITY VSWR, 40°C AMB., STILL AIR |                 |                                     |               |                  |
| <b>FREQUENCY GHz</b>   | <b>ATTEN.</b>   | <b>AVG. PWR.</b>                    | <b>ATTEN.</b> | <b>AVG. PWR.</b> |
| 1.0  | 22.0            | 130.0                               |               |                  |
| 10.0   | 80.0            | 35.0                                |               |                  |
| 20.0   | 120.0           | 20.0                                |               |                  |
| <b>MECHANICAL DATA</b>   |                 |                                     |               |                  |
| Inner Conductor O.D. (inches)  | .0201 +/- .0005 |                                     |               |                  |
| Inner Conductor Material   | SPCW            |                                     |               |                  |
| Inner Dielectric Material  | PTFE, F1        |                                     |               |                  |
| Dielectric O.D. (inches)   | .066 +/- .002   |                                     |               |                  |
| Outer Conductor O.D. (inches)  | .0865 +/- .001  |                                     |               |                  |
| Outer Conductor Material   | COPPER/SILVER   |                                     |               |                  |
| Safe Bend Radius (proper tooling) (inch)   | .050            |                                     |               |                  |
| Max. Weight (lbs./1000 ft.)  | 15.3            |                                     |               |                  |
| Operating Temp. Max. Degrees C   | -55 / +125      |                                     |               |                  |