

.034 DIA, 50 OHM

| ELECTRICAL DATA                                                                            |         | HC20000-1 / WIN20000-1 |           | HC20000-3 / WIN20000-3 |           |
|--------------------------------------------------------------------------------------------|---------|------------------------|-----------|------------------------|-----------|
| Impedance (Ohms)                                                                           |         | 50 +/- 1.0             |           | 50 +/- 1.0             |           |
| Dielectric Strength (KVRMS 60 Hz)                                                          |         | 2                      |           | 2                      |           |
| Corona Extinction (KVRMS 60 Hz)                                                            |         | 75 MIN                 |           | 75 MIN                 |           |
| Max Operating Frequency (GHz)                                                              |         | 40                     |           | 40                     |           |
| 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                                                                                        |         | 60                     | 10        | 60                     | 10        |
| 10.0                                                                                       |         | 190                    | 3.1       | 190                    | 3.1       |
| 20.0                                                                                       |         | 280                    | 2         | 280                    | 2         |
| MECHANICAL DATA                                                                            |         |                        |           |                        |           |
| Inner Conductor O.D. (inches)                                                              |         | .0080 +/- .0005        |           | .0080 +/- .0005        |           |
| Inner Conductor Material                                                                   |         | SPCW                   |           | SPCW                   |           |
| Inner Dielectric Material                                                                  |         | PTFE, F1               |           | PTFE, F1               |           |
| Dielectric O.D. (inches)                                                                   |         | .026 +/- .001          |           | .026 +/- .001          |           |
| Outer Conductor O.D. (inches)                                                              |         | .034 +/- .001          |           | .034 +/- .002 / -.001  |           |
| Outer Conductor Material                                                                   |         | COPPER                 |           | COPPER/TIN             |           |
| Safe Bend Radius (proper tooling) (inch)                                                   |         | .50                    |           | .50                    |           |
| Max. Weight (lbs./1000 ft.)                                                                |         | 2.6                    |           | 2.8                    |           |
| Operating Temp. Max. Degrees C                                                             |         | -55 / +100             |           | -55 / +100             |           |
| Package Options:      -C (coiled)      -S (5 ft straight lengths)                          |         |                        |           |                        |           |
| Rev                                                                                        | DCN No. | Date                   |           | App.                   |           |
| A1                                                                                         | 21-1167 | 2/18/2021              |           | TA                     |           |
| A2                                                                                         | 21-2120 | 12/10/2021             |           | TA                     |           |
| A3                                                                                         | 22-1228 | 3/15/2022              |           | TA                     |           |
| A4                                                                                         | 22-1844 | 11/22/2022             |           | TA                     |           |
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