

1 1/4 in RF Coaxial Cable



| | | |
|---------------------------------|---------------|-----------------------|
| Product Code | | |
| CC-114 | | |
| Construction Material | | |
| Inner Conductor | Material | Copper |
| | Diameter mm | 13.10 ± 0.10 |
| Insulation | Material | Foam PE |
| | Diameter mm | 32.50 ± 0.25 |
| Outer Conductor | Material | Corrugated copper |
| | Diameter mm | 35.70 ± 0.30 |
| Jacket | Material | LLDPE |
| | Color | Black |
| | Diameter mm | 38.80 ± 0.30 |
| Mechanical Specification | | |
| Bend Radius mm | Single bend | 200 |
| | Repeated bend | 380 |
| Tensile Strength N | | 2500 |
| Cable Weight kg/km | | 880 |
| Recommended Temperature °C | Storage | -70~+85/-30~+80(LSZH) |
| | Installation | -40~+60/-25~+60(LSZH) |
| | Operating | -55~+85/-30~+80(LSZH) |

| Electrical Specification | | |
|--|------------------------------|---------------------|
| Impedance | 50 ohm \pm 1.5 ohm | |
| Capacitance | 77 pF/m | |
| Velocity | 87% | |
| Insulation Resistance | 10000 M Ω /km | |
| Peak Power | 205 kW | |
| Peak Voltage | 4300 V | |
| Cut-off Frequency | 3.7 GHz | |
| Attenuation and Average power | | |
| Maximum attenuation value shall be 105% of the nominal attenuation value | | |
| Frequency MHz | Attenuation @20°C dB/100m | Average Power kW |
| 200 | 1.29 | 8.12 |
| 450 | 1.99 | 5.22 |
| 800 | 2.76 | 3.78 |
| 1000 | 3.15 | 3.32 |
| 1500 | 4.03 | 2.62 |
| 1800 | 4.45 | 2.35 |
| 2000 | 4.75 | 2.21 |
| 2200 | 5.12 | 2.21 |
| 2500 | 5.45 | 1.92 |
| 3000 | 6.08 | 1.72 |
| V.S.W.R. | | |
| Frequency Band | VSWR | |
| 800MHz~1000MHz | \leq 1.15 | |
| 1700MHz~2200MHz | \leq 1.20 | |
| 2200MHz~2700MHz | \leq 1.20 | |