

1 5/8 in RF Feeder Cable



| | | |
|---------------------------------|---------------|-----------------------|
| Product Code | | |
| CC-158 | | |
| Construction Material | | |
| Inner Conductor | Material | Copper |
| | Diameter mm | 17.30 ± 0.20 |
| Insulation | Material | Foam PE |
| | Diameter mm | 42.70 ± 0.30 |
| Outer Conductor | Material | Corrugated copper |
| | Diameter mm | 46.50 ± 0.30 |
| Jacket | Material | LLDPE |
| | Color | Black |
| | Diameter mm | 49.60 ± 0.30 |
| Mechanical Specification | | |
| Bend Radius mm | Single bend | 280 |
| | Repeated bend | 500 |
| Tensile Strength N | 3000 | |
| Cable Weight kg/km | 1010 | |
| 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 | 78 pF/m |
| Velocity | 88% |
| Insulation Resistance | 10000 M Ω /km |
| Peak Power | 310 kW |
| Peak Voltage | 5600 V |
| Cut-off Frequency | 3 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 | 0.99 | 11.30 |
| 450 | 1.59 | 7.18 |
| 800 | 2.29 | 5.15 |
| 1000 | 2.54 | 4.52 |
| 1500 | 3.29 | 3.54 |
| 1800 | 3.66 | 3.17 |
| 2000 | 3.95 | 2.96 |
| 2200 | 4.20 | 2.87 |
| 2500 | 4.58 | 2.58 |
| 3000 | 4.72 | 2.40 |

V.S.W.R.

| Frequency Band | VSWR |
|-----------------|-------------|
| 800MHz~1000MHz | \leq 1.20 |
| 1700MHz~2200MHz | \leq 1.20 |
| 2200MHz~2700MHz | \leq 1.20 |