

CRE141UMDS

Semi-Rigid,  
Cost-Effective RF Coaxial Cable  
Ver: S-A01



Structure & Dimension

|   | Structure       | Dimension (mm) | Material                                               |
|---|-----------------|----------------|--------------------------------------------------------|
| 1 | Inner Conductor | 0.92           | Silver Plated Copper                                   |
| 2 | Insulating      | 3.00           | PTFE                                                   |
| 3 | Outer Conductor | 3.58           | Seamless Annealed Copper Tube<br>Plating Ternary Alloy |

Specification

|   |                               |          |
|---|-------------------------------|----------|
| 1 | Operating Frequency(GHz)      | 26.5     |
| 2 | Impedance(Ohms)               | 50       |
| 3 | Velocity of Propagation       | 70%      |
| 4 | Voltage Withstand (Vrms@1min) | 2000     |
| 5 | Shielding Effectiveness(dB)   | ≥110     |
| 6 | Weight(g/m)                   | 47       |
| 7 | Single Bend Radius(mm)        | 15.00    |
| 8 | Temperature Range(°C)         | -55~+125 |

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

|                    |       |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz)    | 500   | 1000  | 5000  | 10000 | 20000 | 26500 |
| Attenuation (dB/m) | 0.262 | 0.377 | 0.913 | 1.366 | 2.093 | 2.566 |
| Average Power (KW) | 0.484 | 0.336 | 0.140 | 0.095 | 0.063 | 0.042 |



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