



## 1/4" Feeder Cable

- The high Performance of attenuation allows co-axial cable to be used in different RF systems , such as 3G, 4G Mobile Communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations wireless cellular, and others
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference

| Construction    |                        | Diameter |
|-----------------|------------------------|----------|
| Inner Conductor | Copper Clad Aluminium  | 2.60 mm  |
| Insulation      | Physically Foamed PE   | 6.35 mm  |
| Outer Conductor | Ring Corrugated Copper | 7.75 mm  |
| Jacket          | Black PE               | 8.80 mm  |

| Electrical Characteristics |                     |
|----------------------------|---------------------|
| Impedance                  | 50Ω                 |
| Cut- Off Frequency         | 15.8 GHz            |
| Nominal Capacitance        | 76.8 p F/m          |
| Nominal Inductance         | 0.19 uH/m           |
| Propagation Velocity       | 84 %                |
| DC Breakdown Voltage       | 2.2 kv              |
| Insulation Resistance      | >5000 MΩ km         |
| Peak Power Rating          | 12.1 kw             |
| Screening Attenuation      | >120 dB             |
| PIM                        | ≤ -160 dBc @(2*20W) |

| Mechanical & Environmental Specification |            |
|------------------------------------------|------------|
| Max. Tensile Force                       | 910 N      |
| Recommended max. clamp spacing           | 1 m        |
| Min. Bending Radius (single)             | 30 mm      |
| Min. Bending Radius (repeated)           | 76 mm      |
| Storage Temperature                      | -55 ~ 80°C |
| Installation Temperature                 | -40 ~ 60°C |
| Operating Temperature                    | -55 ~ 80°C |
| RoHS                                     | Compliant  |

| Frequency (MHz) | Attenuation & Average Power |      |
|-----------------|-----------------------------|------|
|                 | dB/100 m                    | Kw   |
| 100             | 4.05                        | 1.79 |
| 450             | 8.88                        | 0.82 |
| 690             | 11.17                       | 0.69 |
| 800             | 12.10                       | 0.60 |
| 900             | 12.80                       | 0.57 |
| 1000            | 13.60                       | 0.53 |
| 1800            | 18.90                       | 0.38 |
| 2000            | 20.00                       | 0.36 |
| 2200            | 21.08                       | 0.34 |
| 2400            | 22.14                       | 0.33 |
| 2500            | 22.66                       | 0.32 |
| 2600            | 23.19                       | 0.31 |
| 2700            | 23.70                       | 0.30 |

| VSWR            |       |
|-----------------|-------|
| 820 ~ 960 MHz   | ≤1.12 |
| 1700-2200MHz    | ≤1.12 |
| 2300-2400MHz    | ≤1.12 |
| 2500 ~ 2690 MHz | ≤1.15 |