

## Foam polyethylene insulated ultra flexible coaxial cable

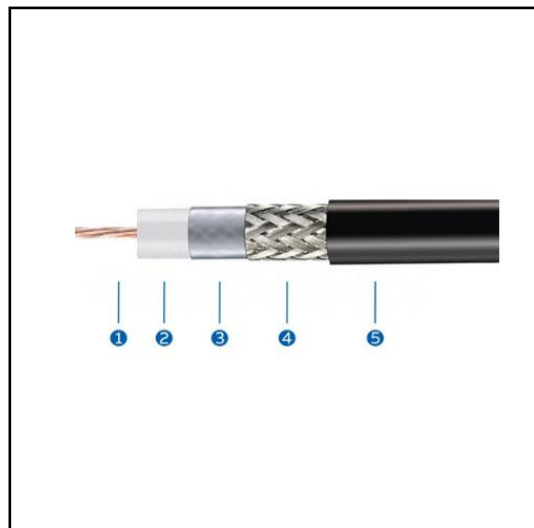
P/N:CL195R

### Features:

- Maximum operating frequency: 6GHz
- Good shielding effectiveness
- Super soft

### Typical Applications:

- mobile communication
- Information Channel
- electronic countermeasure
- Base station feeder



### Structural Materials and Dimensions:

| Structure         | Material               | Diameter(mm) |
|-------------------|------------------------|--------------|
| 1.Inner conductor | Bare copper            | 0.97         |
| 2.Dielectric      | Foam PE                | 2.78         |
| 3.Outer conductor | Aluminum foil          | 2.96         |
| 4.Overall braid   | Tin plated copper wire | 3.54         |
| 5.Jacket          | Black PE               | 4.95         |

### Specifications:

|                                   |               |
|-----------------------------------|---------------|
| Operating frequency range (GHz)   | DC-6GHz       |
| Impedance ( $\Omega$ )            | 50 $\Omega$   |
| transmission speed (%)            | >80%          |
| Shielding efficiency(dB)          | >90dB         |
| Bending radius(installation) (mm) | 12.70mm       |
| Bending radius(repeated) (mm)     | 50.80mm       |
| Weight (kg/m)                     | 0.03kg/m      |
| Operating temperature range (°C)  | -55°C to+85°C |
| RoHS                              | Compliant     |

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Attenuation (dB/100m) typical value @ 25 °C sea level and Transmission power value

| Frequency(MHz) | Attenuation(dB/100m) | Average power(kw) |
|----------------|----------------------|-------------------|
| 30             | 8                    | 0.78              |
| 50             | 10                   | 0.61              |
| 150            | 17                   | 0.35              |
| 220            | 21                   | 0.28              |
| 450            | 30                   | 0.20              |
| 900            | 43                   | 0.14              |
| 1500           | 57                   | 0.10              |
| 1800           | 62                   | 0.09              |
| 2000           | 66                   | 0.09              |
| 2500           | 74                   | 0.08              |
| 5800           | 117                  | 0.05              |
| 6000           | 119                  | 0.05              |



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