

# CB-RG-BC500-AL

Ranger Bare Copper Coaxial Cable + Aluminium Foil



**RANGER**  
AUTOMATION • REVOLUTION



**Coaxial Cable Available Length :**

**305 Meters**

**500 Meters**

## Electrical Specification

1. Features : Bare Copper Coaxial Cable + Aluminium Foil
1. Capacitance (pF/m) : 53
2. Impedance ( $\Omega$ ) :  $75 \pm 3$
3. Velocity (%) : 82
4. Jacket : 6.1mm
5. Jacket Wall Thickness : 0.82

## Physical Dimensions

| Structure                 | Standard Shield mm                              |
|---------------------------|-------------------------------------------------|
| 1. Inner Conductor        | 0.81                                            |
| 2. Dielectric             | 3.7                                             |
| 3. Shield (Tape)          | AL/Pet                                          |
| 4. Braid (Coverage%)      | 60                                              |
| 5. Spec of Electric Wires | 2c x 0.35mm <sup>2</sup>   -0.75mm <sup>2</sup> |
| Minium Retum Loss(dB)     |                                                 |
| 6. 1-100Mhz $\geq$        | 22                                              |
| 7. 1000-2250Mhz $\geq$    | 20                                              |

## Attenuation [ @68°F,(20°C) ]

| Frequency(MHz) | Maximum(dB/100m) |
|----------------|------------------|
| 5              | 2.6              |
| 55             | 6.23             |
| 100            | 7.6              |
| 211            | 11.8             |
| 300            | 14.1             |
| 400            | 16.1             |
| 550            | 19.1             |
| 750            | 22.9             |
| 860            | 24.8             |
| 1000           | 27.2             |
| 1450           | 32.1             |
| 1750           | 35.8             |
| 2150           | 39.7             |