



**1) Physical Dimensions**

|                          |  |
|--------------------------|--|
| <b>Center Conductor:</b> | 2.74±0.01mm Copper Clad Aluminum           |
| <b>Dielectric:</b>       | 7.24±0.15mm Foamed PE                      |
| <b>Shielding 01:</b>     | Bonded AL/PET/AL Foil                      |
| <b>Braiding:</b>         | 8 x 24 x 0.16mm Tinned Copper Coverage 95% |
| <b>Jacket:</b>           | 10.29±0.20mm PVC                           |

**2) Electrical Properties**

|   |                        |                          |
|---|------------------------|--------------------------|
| <b>Nominal Impedance(Ω)</b>                       |                        | 50±2                     |
| <b>Nominal Capacitance(pF/m)</b>                  |                        | 75                       |
| <b>DC Resistance of Central Conductor (Ω/km)</b>  |                        | ≤4.58                    |
| <b>DC Resistance of External Conductor (Ω/km)</b> |                        | ≤10.5                    |
| <b>Attenuation<br/>[@68°F(20°C)]</b>              | <b>Frequency (MHz)</b> | <b>Maximum (dB/100m)</b> |
|   | 30                     | 2.95                     |
|   | 50                     | 3.61                     |
|   | 150                    | 5.57                     |
|   | 220                    | 6.89                     |
|   | 450                    | 9.51                     |
|   | 900                    | 13.44                    |
|   | 1500                   | 17.38                    |
|   | 1800                   | 19.34                    |
|   | 2000                   | 20.33                    |
|   | 2500                   | 22.95                    |
| 5800  | 36.07                  |                          |

**3) Physical Properties**

**Operating Temperature-PVC Jacket:** -15°C—75°C

**4) BC85203 100m Reel**

**BC85204 305m Reel**

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