



# Caledonian

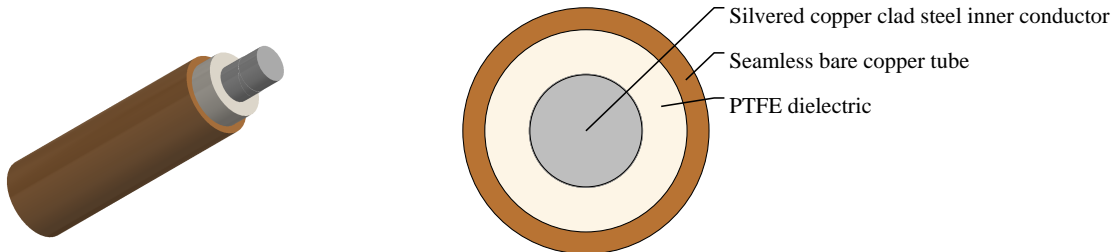
Coaxial Cables

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## Semi-rigid Coaxial Cables

SR090-25



## Construction

|                        |   |                |
|------------------------|---|----------------|
| Inner conductor        | Silver plated copper clad steel(SCCS)   | Φ1.02 mm       |
| Dielectric             | PTFE                                    | Φ1.85 ± 0.1 mm |
| Outer conductor(type1) | Seamless bare copper tube               | Φ2.20 ± 0.1 mm |
| Outer conductor(type2) | Seamless copper tube, tin plated(TP)    | Φ2.20 ± 0.1 mm |
| Outer conductor(type3) | Seamless copper tube, Silver plated(SP) | Φ2.20 ± 0.1 mm |

## Electrical Mechanical Characteristics

|                                       |                 |
|---------------------------------------|-----------------|
| Impedance                             | Nom.25 Ohm      |
| Nominal capacitance                   | 190.4 pF/m      |
| Operating temperature range           | -55°C - +125 °C |
| Outer conductor integrity temperature | 175°C           |
| Min.bending radius                    | 8.02 mm         |

## Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------------|------------------------|-------------------------|
| 500             | 53                     | 16.2                    |
| 1000            | 76                     | 23.2                    |
| 5000            | 177                    | 53.9                    |
| 10000           | 258                    | 78.6                    |
| 20000           | 381                    | 116.1                   |