



Caledonian

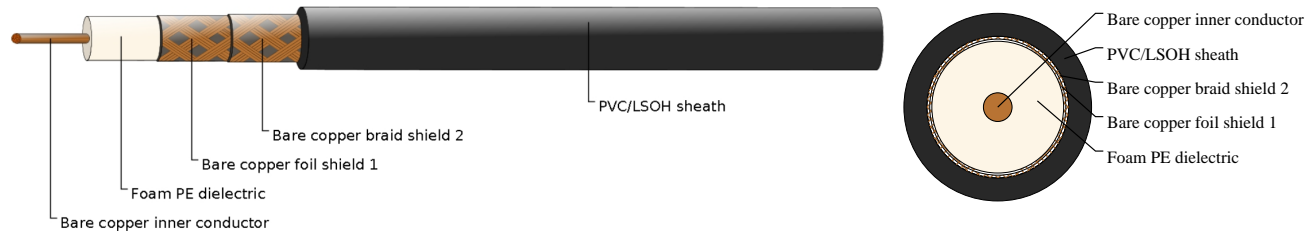
Coaxial Cables

www.caledonian-cables.com

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CT Series Coaxial Cables

CT 125



Construction

| | | |
|---------------------------|-------------------|------------|
| Inner conductor | Bare copper | Φ1.25 mm |
| Dielectric | Foam PE | Φ5.50 mm |
| Outer conductor(shield 1) | Copper Foil | Φ5.65 mm |
| Shield coverage | / | 100% |
| Outer conductor(shield) | Bare copper braid | 96x0.10 mm |
| Shield coverage | / | 60% |
| Outer sheath | PVC/LSOH | Φ7.8 mm |

Electrical Mechanical Characteristics

| | |
|----------------------------|---|
| Impedance | 75±5 Ohm |
| Nominal capacitance | 50 pF/m |
| Velocity of propagation | 85% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 12.8 Ohm/Km |
| Rated temperature | 70°C |
| Operating voltage | 30 V |
| Cable weight (approx.) | 65 kg/km |
| Screening effectiveness | >75 dB (30-1000MHz) >65 dB (1000-2150MHz) |

Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------------|------------------------|-------------------------|
| 50 | 3.5 | 1.07 |
| 100 | 5 | 1.52 |
| 200 | 7.5 | 2.29 |
| 460 | 11.5 | 3.51 |
| 860 | 15.5 | 4.73 |



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| | | |
|------|----|------|
| 1000 | 17 | 5.18 |
| 1750 | 22 | 6.71 |
| 2150 | 26 | 7.93 |

Return Loss

| | |
|--------------|-------|
| 5-470 MHz | >23dB |
| 470-860 MHz | >20dB |
| 860-2150 MHz | >18dB |