



# Caledonian

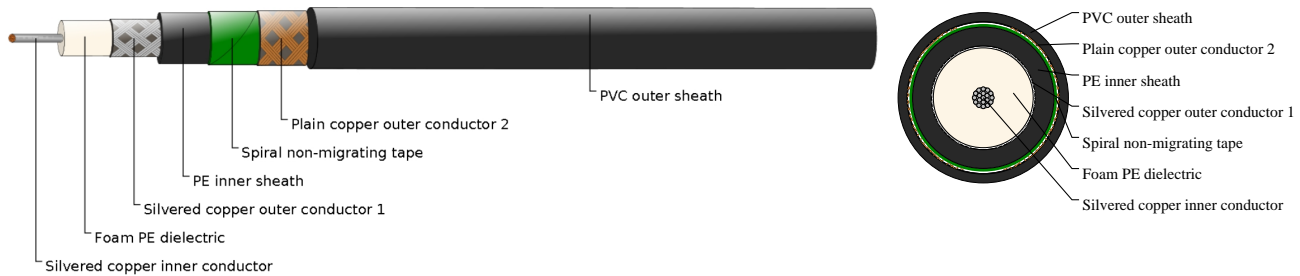
Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## Triaxial Cables

### CTX 65 FLEX



## Construction

|                            |                           |                          |
|----------------------------|---------------------------|--------------------------|
| Inner conductor            | Silver plated copper      | 19 x 0.28 mm             |
| Dielectric                 | Foam PE                   | $\Phi 6.50 \pm 0.10$ mm  |
| Outer conductor(shield 1)  | Silver plated copper      | 216x 0.13 mm             |
| Shield coverage            | /                         | 92%                      |
| Inner sheath               | PE                        | $\Phi 8.67 \pm 0.10$ mm  |
| Tape                       | Spiral non-migrating tape | h. 20 mm                 |
| Outer conductor (shield 2) | Plain copper              | 216 x 0.16 mm            |
| Shield coverage            | /                         | 92%                      |
| Outer sheath               | PVC/LSOH                  | $\Phi 11.00 \pm 0.18$ mm |

## Electrical Mechanical Characteristics

|                              |                 |
|------------------------------|-----------------|
| Impedance                    | 75±5 Ohm        |
| Nominal capacitance          | 56 pF/m         |
| Velocity of propagation      | 80%             |
| Insulation resistance        | >5000 Mohm.Km   |
| Inner conductor resistance   | 15.5 Ohm/Km     |
| Outer conductor resistance 1 | 6.5 Ohm/Km      |
| Outer conductor resistance2  | 5.8 Ohm/Km      |
| Operating temperature range  | -25 °C - +80 °C |
| Copper weight                | 85.2 Kg/Km      |
| Cable weight (approx.)       | 165.95 Kg/Km    |
| Screening effectiveness      | >70 dB          |

## Attenuation

|                 |                        |                         |
|-----------------|------------------------|-------------------------|
| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------------|------------------------|-------------------------|



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|      |      |     |
|------|------|-----|
| 50   | 4.4  | 1.3 |
| 100  | 6.2  | 1.9 |
| 200  | 9.1  | 2.8 |
| 400  | 13.3 | 4.1 |
| 500  | 15.2 | 4.6 |
| 600  | 17.1 | 5.2 |
| 860  | 20.6 | 6.3 |
| 1000 | 22.4 | 6.8 |

## Return Loss

|             |       |
|-------------|-------|
| 30-300 MHz  | >30dB |
| 300-600 MHz | >29dB |
| 600-900 MHz | >28dB |