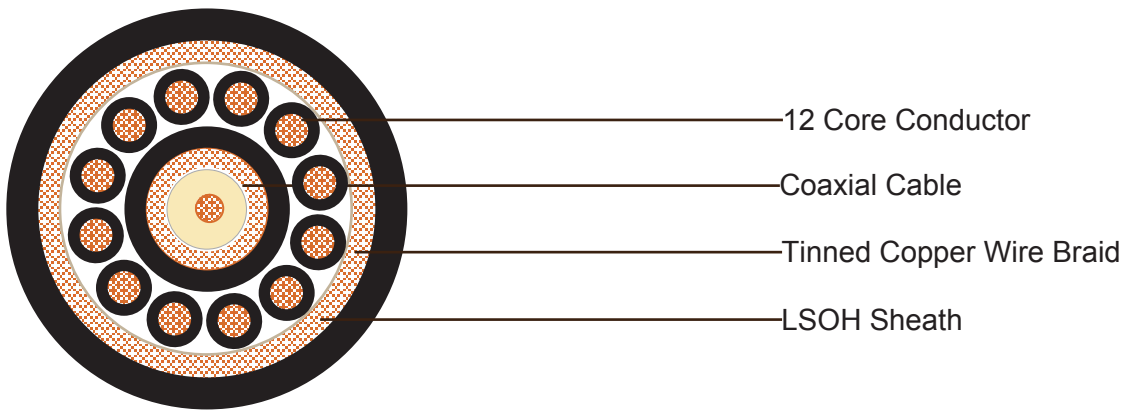




### 1C Coaxial Cable + 12 Core Conductors TCWB PVC Sheathed Composite Cable

#### Construction:



#### 1x750hm Coaxial Cable

<b>Conductor</b>	7/0.254mm stranded tinned copper wires
<b>Insulation</b>	Foamed polyethylene. Thickness is 1.46mm
<b>Shield</b>	Braid of bare copper wire. Coverage ≥ 95%
<b>Sheath</b>	PVC sheath. Nominal outer diameter: 5.28mm
<b>Sheath Color</b>	Black

#### 12 Core Conductor

<b>Conductor</b>	7/0.32mm Stranded tinned copper. wires
<b>Insulation</b>	PVC material. Thickness is 0.4mm
<b>Insultion Color</b>	Blue, Brown and Green/Yellow

#### Element Assembly

<b>Shield</b>	Tinned copper wire braid, coverage 80%
<b>Outer Sheath</b>	LSZH, thickness 0.8mm, nominal outer diameter is 11.05mm
<b>Sheath Color</b>	Black



### Electrical and Physical Properties @20°C:

#### Coaxial Cable

**Nom. Impedance:** 75Ohm

**Nom. Capacitance Conductor to Shield:** 56.7pF/m (17.3pF/ft)

**Nom. Velocity of Propagation:** 78%

**Nom. Delay:** 4.26ns/m (1.3ns/ft)

**Nom. Conductor DC Resistance:** 0.047 Ohm/m (14.4 Ohm/1000ft)

**Nom. Inner Shield DC Resistance:** 0.0084 Ohm/m (2.55 Ohm/1000ft)

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
0.5	0.8	0.24
1	1.1	0.34
5	2.4	0.73
10	3.4	1.04
100	10.6	3.23
200	15.3	4.67
400	21.69	6.62

#### 12C Conductor

**Max. Operating Voltage:** 300V

**Max. Operating Voltage (overall):** 300V

#### Element Assembly

**Operating Temperature Range:** -30°C to +75°C

**Min Bending Radius:** 127mm

\* The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.