



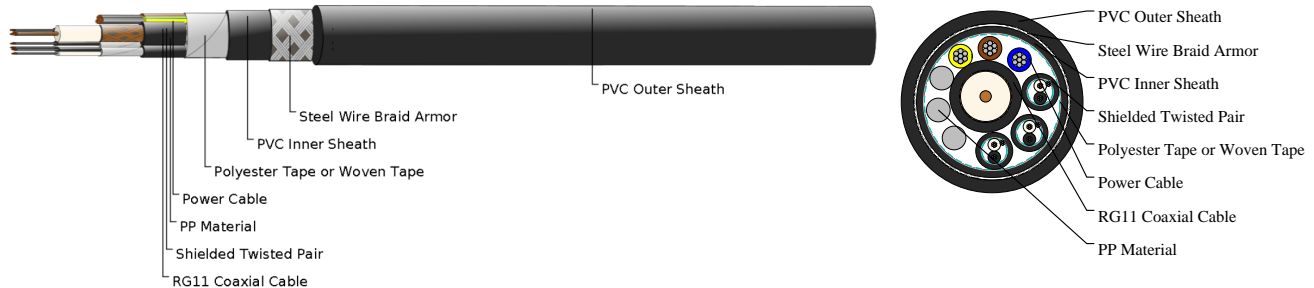
# Caledonian

Composite Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## 1x RG11+3x2.5 Power Cable+3x1x2x22AWG Data Pairs SWB PVC Sheathed Composite Cable



### CABLE CONSTRUCTION

1x75Ohm RG11 Coaxial Cable ( in the center of the cable core)

Conductor: 1.63mm solid bare copper

Insulation: Polyethylene. Diameter 7.25mm

Shield: Braid of bare copper wire. Coverage 95%

Sheath: PVC sheath. Nominal outer diameter is 10.3mm

Sheath Color: Black

3x1x2x22AWG Shielded Twisted Pair ( around coaxial cable)

Conductor: 7/0.254mm stranded tinned copper

Insulation: PVC material. Thickness 0.50mm

Insulation Color: White and black

Individual Shield: Aluminum polyester tape

Drain Wire: 24 AWG stranded tinned copper

Sheath: PVC sheath. Thickness 0.76mm. Nominal outer diameter 4.8mm

Sheath Color: Black with white number code

3x2.5mm<sup>2</sup> Power Cable ( around coaxial cable)

Conductor: 2.5mm<sup>2</sup> stranded tinned copper wire

Insulation: XLPE. Outer diameter 3.41mm

Insulation Color: Blue, Brown and Green/Yellow

Element Assembly

Filler :PP material (around coaxial cable)

Wrapping Tape: Polyester tape or woven tape

Inner Sheath: Black PVC, thickness 1.0mm

Armor: Steel wire braid, dia. 0.2mm, coverage 85%

Outer Sheath: PVC, thickness 1.8mm, nominal outer diameter 28.3mm

Sheath Color: Black

Cable weight: 550kg/km

### PHYSICAL AND THERMAL PROPERTIES



**Caledonian**

Composite Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

Electrical and Physical Properties@20°C:

Coaxial Cable

Impedance:  $75 \pm 3 \Omega$  (@1MHz)

Max. Attenuation: 3.3dB/100m @50MHz

Power Cable

Electrical Resistance: 7.41 $\Omega$ /km

Insulation Resistance:  $\geq 5500 \text{ M}\Omega \cdot \text{km}$

Data Pairs

Electrical Resistance: 49 $\Omega$ /km

Insulation Resistance:  $\geq 1000 \text{ M}\Omega \cdot \text{km}$