



# Caledonian

Composite Cables

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## 1x RG59+3x3 Power Cable+2x1x2x24AWG Data Pairs SWB LSZH Sheathed Composite Cable



### FIRE PERFORMANCE

Low Smoke Capacity	IEC61034-1/2
Halogen Free	IEC60754-1/2
Flame Propagation	IEC60332

### CABLE CONSTRUCTION

1x75Ohm RG59 Coaxial Cable ( in the center of the cable core)

Conductor: 0.58 Solid copperweld (CCS)

Insulation: Polyethylene. Thickness 1.56mm

Shield: Braid of bare copper wire. Coverage  $\geq 92\%$

Sheath: LSZH sheath. Nominal outer diameter 6.2mm

Sheath Color: Black

2x1x2x24/7AWG Shielded Twisted Pair ( around coaxial cable)

Conductor: 7/0.2mm stranded tinned copper

Insulation: PVC material. Thickness 0.47mm

Insulation Color: White and black

Individual Shield: Aluminum polyester tape

Drain Wire: 24 AWG stranded tinned copper

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

Sheath Color: Black and Grey

3x3mm<sup>2</sup> Power Cable ( around coaxial cable)

Conductor: 12AWG (3mm<sup>2</sup>) Stranded tinned copper wire

Insulation: XLPE. Thickness 0.85mm. Outer diameter 3.65mm

Insulation Color: Blue, Brown and Green/Yellow

Element Assembly

Filler: PP material (around coaxial cable)

Wrapping Tape: Polyester tape



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Inner Sheath: Black LSZH, thickness 0.8mm

Armor: Steel wire braid, coverage 95%

Outer Sheath: LSZH, thickness 1.5mm, nominal outer diameter 22mm

Sheath Color :Black

### PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable

Impedance: 75±3Ohm (@1MHz)

Max. Attenuation: 7.5dB/100m @50MHz

Power Cable

Electrical Resistance: 6.6Ohm/km

Insulation Resistance: ≥5500 MOhm×km

Data Pairs

Electrical Resistance: 90Ohm/km

Insulation Resistance: ≥1000 MOhm×km

Element Assembly

Min Bending Radius: 420mm

Operating Temperature: -35°C/+80°C