



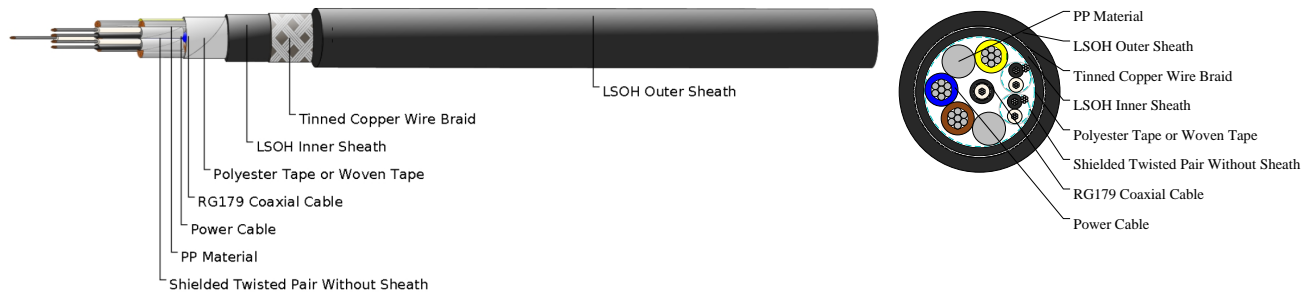
# Caledonian

Composite Cables

www.caledonian-cables.com

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## 1xRG179+3x1.5mm<sup>2</sup> Power Cable+2x1x2x24AWG Data Pairs Without Sheath SWB LSZH Sheathed Composite Cable



### FIRE PERFORMANCE

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

### CABLE CONSTRUCTION

#### 1x75Ohm RG179 Coaxial Cable

Conductor: 7/0.1mm Silver plated copper conductor

Insulation: Solid PTFE. Diameter: 1.6mm

Shield: Braid of silver plated copper wire. Coverage ≥ 95%

Sheath: FEP sheath. Nominal outer diameter 2.5mm

Sheath Color: Black

#### 2x1x2x24 AWG Shielded Control Cable Without Sheath

Conductor: 7/0.2mm Stranded tinned copper

Insulation: PVC material. Thickness 0.4mm

Insulation Color: Black and white with pair number

Shield: Aluminium polyester tape with 24 AWG stranded tinned copper drain wire. Nominal outer diameter 3.5mm

#### 3x1.5mm<sup>2</sup> Power Cable

Conductor: 1.5mm<sup>2</sup> Stranded tinned copper wire

Insulation: XLPE. Nominal outer diameter 3.0mm

Insulation Color: Blue, Brown and Green/Yellow

#### Element Assembly

Filler: PE or PP material

Wrapping Tape: Polyester tape or woven tape

Inner Sheath: Black LSZH, thickness 0.8mm. Diameter Over Bedding: 11.2mm±0.8mm

Armor: Steel wire braid, coverage 85%

Outer Sheath: LSZH, thickness 1.5mm, nominal outer diameter is 15.8±2.0mm



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Sheath Color: Black

## PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties @20°C:

Coaxial Cable

Impedance:  $75 \pm 5 \Omega$  (@1MHz)

Nominal capacitance: 63pF/m

Max. Attenuation: 28dB/100m @50MHz

Power Cable

Electrical Resistance: 12.1 $\Omega$ /km

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

Data Pairs

Electrical Resistance: 90 $\Omega$ /km

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

Physical Characteristic:

Min Bending Radius: 420mm

Operating Temperature: -35°C/+80°C