



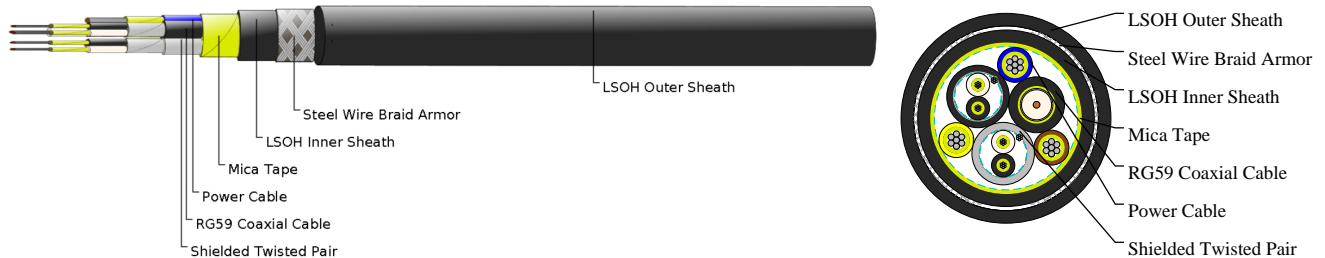
# Caledonian

Composite Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## 1x RG59+3x2.5 Power Cable+2x1x2x24AWG Data Pairs SWB LSHZ Sheathed Fire Resistant & Mud Resistant Composite Cable



### FIRE PERFORMANCE

Low Smoke Capacity	IEC61034-1/2
Halogen Free	IEC60754-1/2
Flame Propagation	IEC60332
Fire Resistant	IEC60331-21

### CABLE CONSTRUCTION

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

Conductor: 0.58mm Solid copper conductor

Insulation: Polyethylene. Thickness 1.56mm

Shield: Braid of bare copper wire. Coverage  $\geq 95\%$

Fire Barrier: Mica tape

Sheath: FRLSZH sheath. Nominal outer diameter 6.7mm

Sheath Color: Black

2x1x2x22AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.245mm stranded tinned copper

Fire Barrier: Mica tape

Insulation: PVC material. Thickness 0.7mm

Insulation Color: White and black

Individual Shield: Aluminum polyester tape

Drain Wire: 24 AWG stranded tinned copper

Sheath: FRLSZH sheath. Thickness 0.8mm. Nominal outer diameter 8.5mm

Sheath Color: Black and Grey

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

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

Fire Barrier: Mica tape

Insulation: XLPE. Nominal outer diameter 4.2mm

Insulation Color: Blue, Brown and Green/Yellow



**Caledonian**

Composite Cables

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

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

Element Assembly

Filler: PE or PP material

Fire Barrier: Mica tape

Inner Sheath: Black FRLSZH, thickness 1.5mm

Armor: Galvanized steel wire braid, coverage 95%

Outer Sheath: FRLSZH, thickness 1.5mm, nominal outer diameter 31.0±2.0mm

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: 7.56Ohm/km

Insulation Resistance: ≥5500 MOhm×km

Data Pairs

Electrical Resistance: 90Ohm/km

Insulation Resistance: ≥200 MOhm×km

Element Assembly:

Min Bending Radius: 420mm

Operating Temperature: -30°C/+80°C