



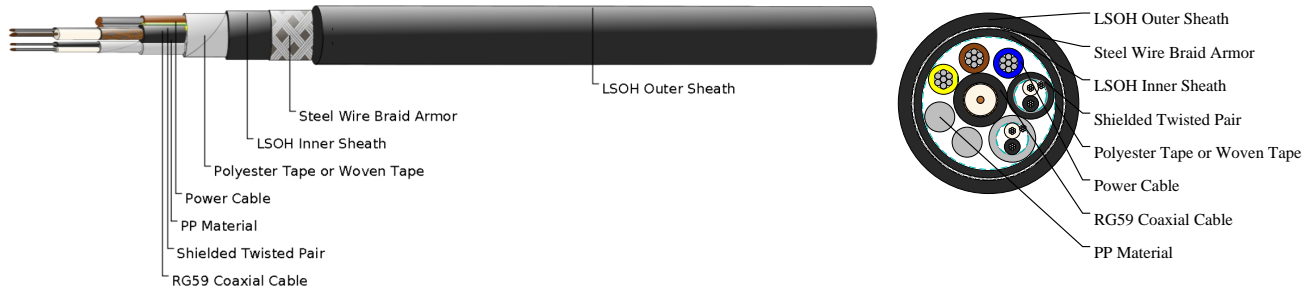
Caledonian

Composite Cables

www.caledonian-cables.com

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1x RG59+3x1.5 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: 0.58mm solid bare copper

Insulation: Polyethylene. Thickness 1.56mm

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

Sheath: LSZH sheath. Nominal outer diameter 6.15mm

Sheath Color: Black

2x1x2x24AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.2mm stranded tinned copper

Insulation: PVC material. Thickness 0.4mm

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

3x1.5mm² Power Cable (around coaxial cable)

Conductor: 1.5mm² stranded tinned copper wire

Insulation: XLPE. Outer diameter 3mm

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



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Aarmor: Steel wire braid, coverage 85%

Outer Sheath: LSZH, thickness 1.5mm, nominal outer diameter 21.5 ± 2.0 mm

Sheath Color :Black

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable

Impedance: 75 ± 3 Ohm (@1MHz)

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

Power Cable

Electrical Resistance: 12.1Ohm/km

Insulation Resistance: ≥ 5500 MOhm \times km

Data Pairs

Electrical Resistance: 90Ohm/km

Insulation Resistance: ≥ 1000 MOhm \times km

Element Assembly:

Min Bending Radius: 420mm

Operating Temperature: -35°C/+80°C