



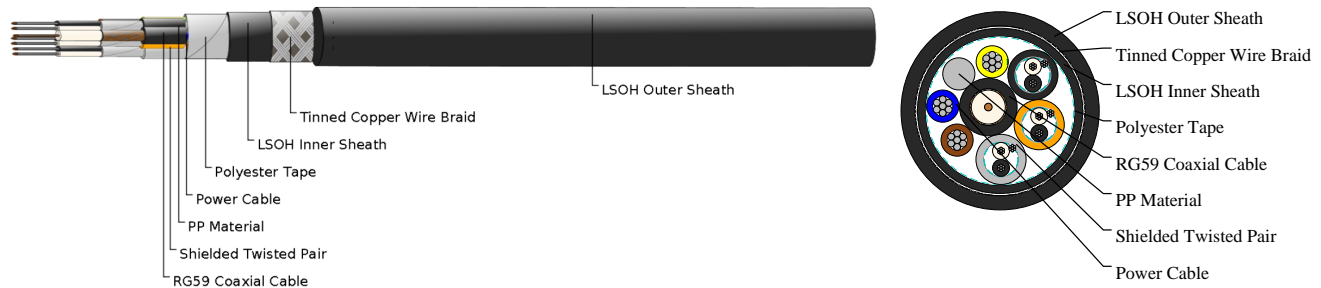
Caledonian

Composite Cables

www.caledonian-cables.com

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1xRG59+3x12AWG Power Cable +3x1x2x24AWG Shield Pairs SWB LSZH Sheathed Composite Cable



FIRE PERFORMANCE

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

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 $\geq 92\%$

Sheath: PVC sheath. Nominal outer diameter 6.2mm

Sheath Color: Black

3x1x2x24/7 AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.2mm Stranded tinned copper

Insulation: PVC material. Thickness 0.47mm

Insulation Color: Black and white

Shield: Aluminium polyester tape

Drain Wire:24 AWG stranded tinned copper drain wire

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

Sheath Color: Black , Grey and Orange

3x3mm² Power Cable (around coaxial cable)

Conductor: 3.0mm² Stranded tinned copper wire

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

Insulation Color: Blue, Brown and Green/Yellow

Element Assembly

Filler: PVC or PE material (around coaxial cable)

Wrapping Tape: Polyester tape



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Inner Sheath: Black LSZH, thickness 0.8mm

Armor: Steel wire braid, coverage 85%

Outer Sheath: LSZH, thickness 1.5mm, nominal outer diameter is 22.0mm

Sheath Color: Black

Cable Weight: 850kg/km

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties @20°C:

Coaxial Cable

Max. Electrical Resistance: 158Ohm/km

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