



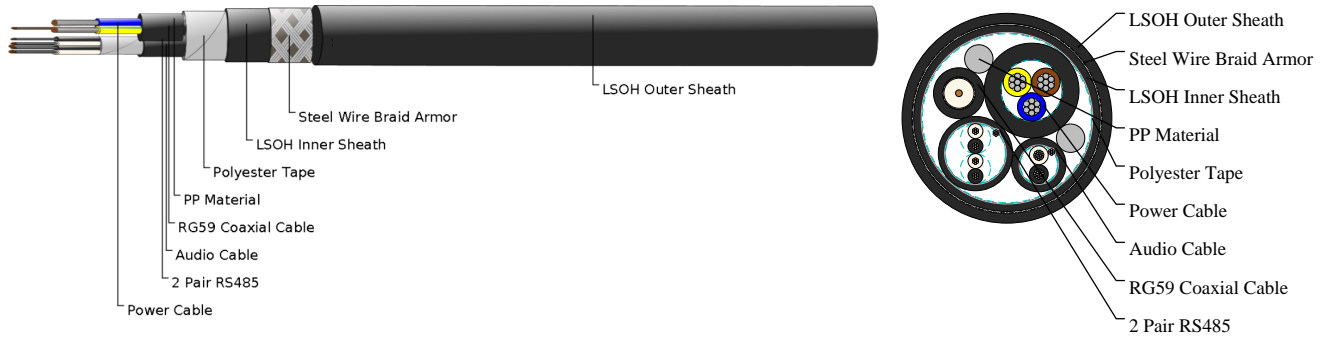
Caledonian

Composite Cables

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RG59+3x2.5 Power cable+2x2x24AWG RS485+1x2x18AWG Audio Cable SWB LSZH Sheathed Composite Cable



FIRE PERFORMANCE

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

CABLE CONSTRUCTION

1x75Ohm RG59 Coaxial Cable

Conductor: 0.81mm Copper Covered Steel Wire

Insulation: Polyethylene. Diameter 3.65mm

Shield: Bonded Al screen and braid of Al-Mg wire. Coverage: 80%

Sheath: LSZH sheath. Nominal outer diameter is 6.1mm

Sheath Color: Black

24AWG RS485

Conductor: 24AWG (7/0.2mm) Stranded tinned copper to IEC 60228 Class 2.2 pairs

Insulation: Polyethylene. Thickness 0.6mm

Shield: Aluminium polyester tape

Drain Wire: 24 AWG stranded tinned copper

Sheath: LSZH sheath. Nominal outer diameter is 9.0mm

Sheath Color: Black

3x2.5mm² Power Cable

Conductor: 2.5mm² stranded tinned copper wire to IEC 60228 Class 2

Insulation: XLPE. Thickness 0.7mm

Sheath: LSZH sheath. Nominal outer diameter is 12.0mm

Sheath Color :Black

18AWG Audio Cable



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Conductor: 1 pair 18AWG (16/0.254mm) stranded tinned copper

Insulation: Polyethylene

Shield: Aluminium polyester tape

Drain Wire: 24 AWG stranded tinned copper

Sheath: LSZH sheath. Nominal outer diameter is 6.5mm

Sheath Color: Black

Element Assembly

Filler :PP, PVC or PE

Wrapping Tape: Polyester tape

Inner Sheath: Black LSZH, thickness 0.8-1.0mm

Armor: Steel wire braid, coverage 95%

Outer Sheath: LSZH, thickness 1.6- 1.8mm, nominal outer diameter is 24±2mm

Sheath Color: Black

Cable Weight: 730kg/km

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable

Impedance: 75±3Ohm (@1MHz)

Nominal Attenuation: 6.72dB/100m @50MHz

RS485

Nominal Impedance: 120±10Ω

Nominal Conductor DC Resistance @20°C: 78.7 Ohm/km

Nominal Attenuation: 1MHz 2.3dB/100m

Power Cable

Electrical Resistance: 7.41Ohm/km

Insulation Resistance: ≥5500 MOhm.km

Audio Cable

Electrical Resistance: 18.1Ohm/km

Insulation Resistance: ≥1.1 MOhm .km

Element Assembly

Min Bending Radius: 360mm

Operating Temperature: -35°C/+90°C