



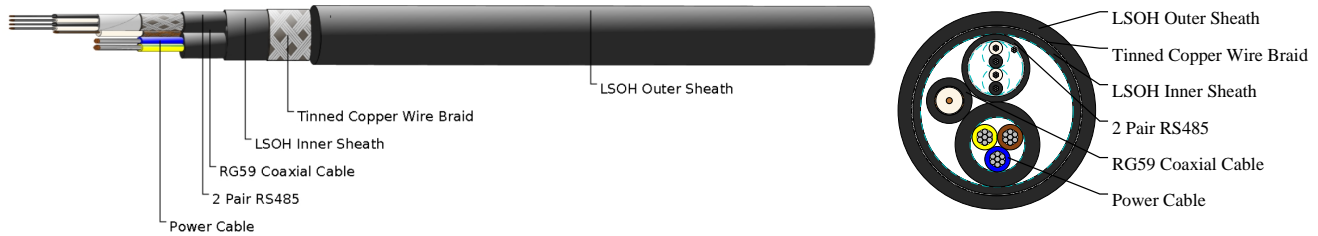
Caledonian

Composite Cables

www.caledonian-cables.com

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1xRG59+3x2.5 Power Cable+2x1x2x24AWG RS485 SWB LSZH Sheathed Composite Cable



FIRE PERFORMANCE

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

CABLE CONSTRUCTION

1x75Ohm RG59 Coaxial Cable

Conductor: 0.58mm Solid copper conductor

Insulation: Polyethylene. Thickness 1.56mm

Shield: Braid of bare copper wire. Coverage $\geq 85\%$

Sheath: PVC sheath. Nominal outer diameter 6.2mm

Sheath Color: Black

1 Pair 24AWG RS485

Conductor: 7/0.2mm Stranded tinned copper

Insulation: PE material. Thickness 0.6mm

Insulation Color: Black and white

Shield1: Aluminium polyester tape with 24 AWG stranded tinned copper drain wire

Shield2: Tinned copper wire braid

Sheath: PVC sheath. Nominal outer diameter is 6.0mm

Sheath Color: Black

3x2.5mm² Power Cable

Conductor: 2.5mm² Stranded tinned copper wire

Insulation: XLPE. Thickness 0.7mm

Sheath: LSZH compound. Nominal diameter is 11.0mm

Element Assembly

Inner Sheath: Black LSZH, thickness 1mm

Armor: Steel wire braid, coverage 85%

Outer Sheath: LSZH, thickness 1.8mm, nominal outer diameter is 25mm



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Sheath Color: Black

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties @20°C:

Coaxial Cable

Impedance: $75\pm 3\Omega$ (@1MHz)

Nominal Attenuation: 8.2dB/100m @50MHz

RS485

Nominal Impedance: $120\pm 10\Omega$

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

Nominal Attenuation: 1MHz 2.3dB/100m

Power Cable

Electrical Resistance: 7.56Ohm/km