



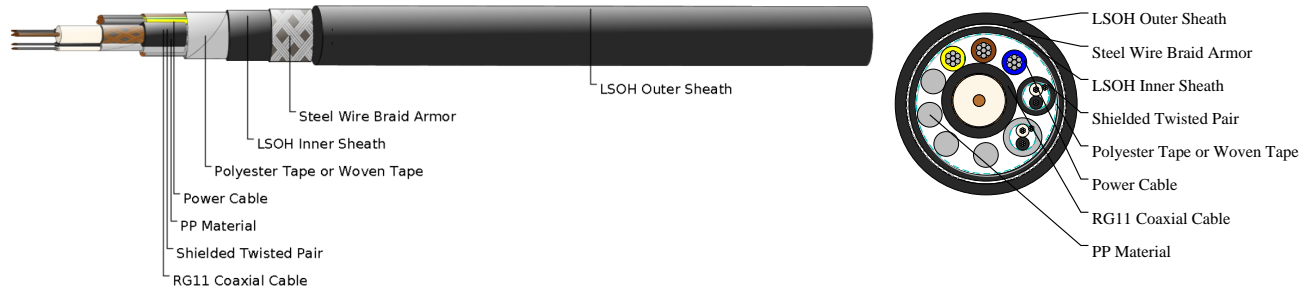
Caledonian

Composite Cables

www.caledonian-cables.com

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1xRG11+3x3 Power Cable+2x1x2x24AWG Data Pairs 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 RG11 Coaxial Cable (in the center of the cable core)

Conductor: 1.63mm solid bare copper

Insulation: Polyethylene. Diameter 7.25mm

Shield: Braid of bare copper wire. Coverage 95%

Sheath: PVC sheath. Nominal outer diameter is 10.3mm

Sheath Color: Black

2x1x2x24AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.2mm stranded tinned copper

Insulation: PVC material. Thickness 0.47mm

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

3x3mm² Power Cable (around coaxial cable)

Conductor: 12AWG (3mm²) Stranded tinned copper wire

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

Insulation Color: Blue, Brown and Green/Yellow

Element Assembly

Filler :PP material (around coaxial cable)

Wrapping Tape: Polyester tape or woven tape

Inner Sheath: Black LSZH, thickness 0.8mm



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Armor: Stainless steel wire braid, coverage 85%

Outer Sheath: LSZH, thickness 1.5mm, nominal outer diameter 26.0mm

Sheath Color: Black

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable

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

Max. Attenuation: 3.3dB/100m @50MHz

Power Cable

Electrical Resistance: 6.6 Ω /km

Insulation Resistance: $\geq 5500 \text{ MOhm}\cdot\text{km}$

Data Pairs

Electrical Resistance: 90 Ω /km

Insulation Resistance: $\geq 1000 \text{ MOhm}\cdot\text{km}$

Element Assembly

Min Bending Radius: 420mm

Operating Temperature: -35°C/+80°C