



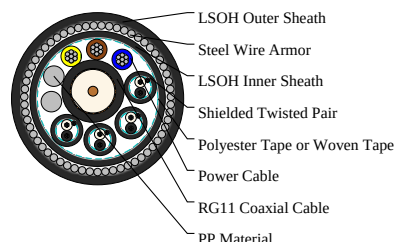
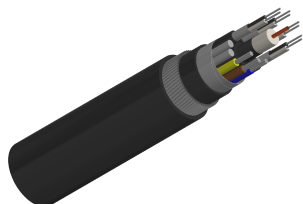
Caledonian

Composite Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

1xRG11+3x2.5 Power Cable+4x1x2x24AWG Data Pairs SWA 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

4x1x2x24AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.2mm stranded tinned copper

Insulation: PVC material. Thickness 0.5mm

Insulation Color: White and black

Individual Shield: Aluminum polyester tape

Drain Wire: 24 AWG stranded tinned copper

Sheath: LSZH sheath. Thickness 0.8mm

Sheath Color: Black with white number code

3x2.5mm² Power Cable (around coaxial cable)

Conductor: 2.5mm² stranded tinned copper wire

Insulation: XLPE. Outer diameter 3.41mm

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 1.1mm



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Armor: Steel wire armor, dia. 1.25mm

Outer Sheath: LSZH, thickness 1.8mm, nominal outer diameter 26.0 ± 1.0 mm

Sheath Color: Black

Cable Weight: 1100kg/km

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable

Impedance: 75 ± 3 Ohm (@1MHz)

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

Power Cable

Electrical Resistance: 7.41Ohm/km

Insulation Resistance: ≥ 5500 MOhm $\times$ km

Data Pairs

Electrical Resistance: 90Ohm/km

Insulation Resistance: ≥ 1000 MOhm $\times$ km

Element Assembly

Conductor DC resistance per km@20°C:

24AWG: 95.8ohm/km

2.5mm²: 7.4ohm/km

1.63mm: 9.26ohm/km

Minimum Bending Radius: 312mm

Temperature Range: -10°C~70°C