



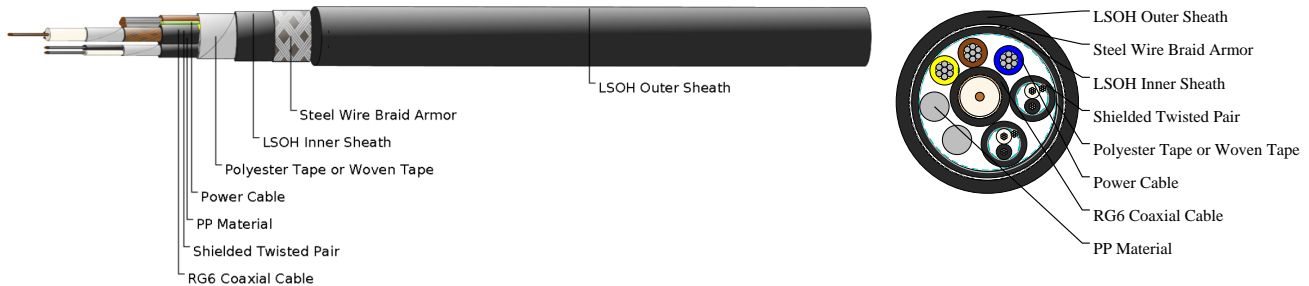
Caledonian

Composite Cables

www.caledonian-cables.com

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1xRG6+3x2.5 Power cable+2x1x2x22AWG Data Pairs SWB LSZH Sheathed Composite Cable



CABLE CONSTRUCTION

1x75Ohm RG6 Coaxial Cable (in the center of the cable core)

Conductor: 1.02mm solid bare copper

Insulation: Polyethylene. Diameter 4.57mm

Shield1: Al-Polyester Tape

Shield2: Braid of bare copper wire. Coverage 95%

Sheath: LSZH sheath. Nominal outer diameter is 6.91mm

Sheath Color: Black

2x1x2x24AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.254mm 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 0.5mm.

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 3.6mm

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 0.75mm

Armor: Steel wire braid, dia. 0.2mm, coverage 95%

Outer Sheath: LSZH, thickness 1.5mm, nominal outer diameter 21.0mm. Approx

Sheath Color: Black

Cable Weight: 485kg/km



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PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable

Conductor Resistance @ 20°C : 22 ohm/km

Impedance: 75±3Ohm (@1MHz)

Max. Attenuation: 5.2dB/100m @50MHz

Power Cable

Conductor Resistance @ 20°C: 7.41Ohm/km

Insulation Resistance: ≥5500 MOhm \times km

Data Pairs

Electrical Resistance: 49Ohm/km

Insulation Resistance: ≥1000 MOhm \times km