



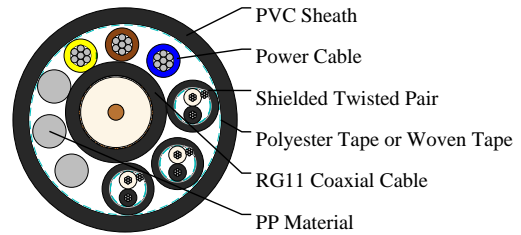
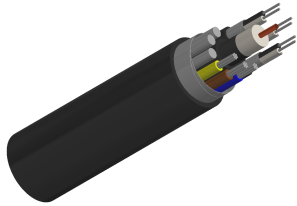
Caledonian

Composite Cables

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1x RG11+3x2.5 Power Cable+3x1x2x22AWG Data Pairs Unarmoured PVC Sheathed Composite Cable



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

3x1x2x22AWG Shielded Twisted Pair (around coaxial cable)

Conductor: 7/0.254mm stranded tinned copper

Insulation: PVC material. Thickness 0.50mm

Insulation Color: White and black

Individual Shield: Aluminum polyester tape

Drain Wire: 24 AWG stranded tinned copper

Sheath: PVC sheath. Thickness 0.76mm. Nominal outer diameter 4.8mm

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

Outer Sheath: PVC, thickness 1.6mm, nominal outer diameter 25.0mm

Sheath Color :Black

Cable weight: 480kg/km

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Coaxial Cable



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

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

Power Cable

Electrical Resistance: 7.41 Ω /km

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

Data Pairs

Electrical Resistance: 49 Ω /km

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