



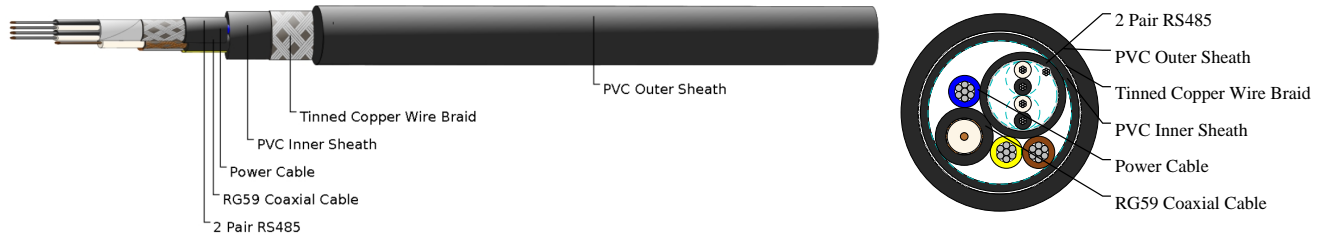
Caledonian

Composite Cables

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



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

2 Pair 24AWG RS485

Conductor: 7/0.2mm Stranded tinned copper

Insulation: PE material. Thickness 0.6mm

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

Shield2: Tinned copper wire braid

Sheath: PVC sheath. Nominal outer diameter is 9.0mm

Sheath Color: Black

3x2.5mm² Power Cable

Conductor: 2.5mm² Stranded tinned copper wire

Insulation: PVC. Thickness 0.7mm

Insulation Color: Blue, Brown and Green/Yellow

Element Assembly

Inner Sheath: Black PVC, thickness 0.8mm

Aarmor: Steel wire braid, coverage 95%

Outer Sheath: PVC, thickness 1.8mm, nominal outer diameter is 26.0mm

Sheath Color: Black

PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties @20°C:

Coaxial Cable

Impedance: 75 \pm 3Ohm (@1MHz)

Nominal Attenuation: 8.2dB/100m @50MHz

RS485



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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