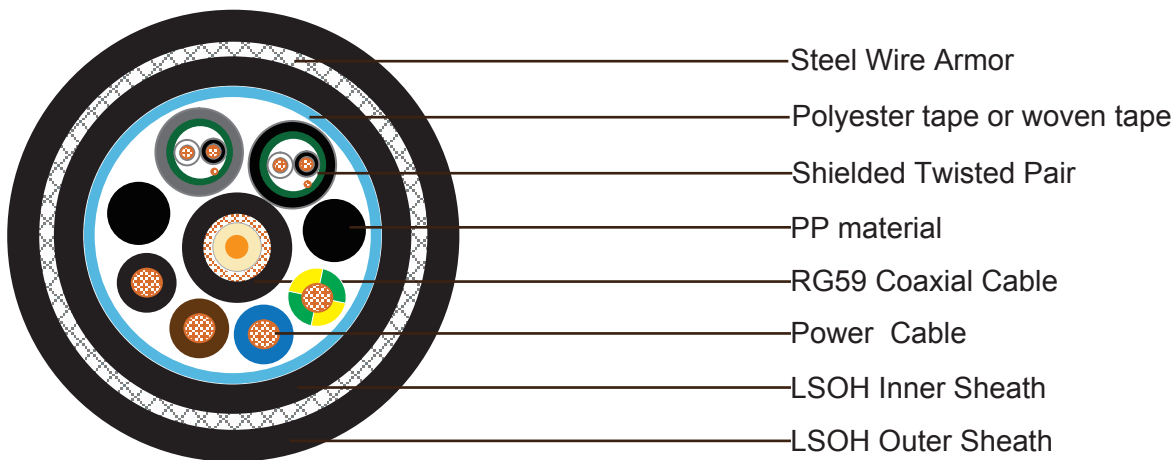




### 1xRG59 + 4x2.5 Power Cable + 2x1x2x22AWG Data Pairs SWB LSZH Sheathed Composite Cable

#### Construction:



#### 1x75Ohm RG59 Coaxial Cable( in the center of the cable core)

Conductor	0.58mm Solid copper conductor
Insulation	Polyethylene. Thickness 1.56mm
Shield	Braid of bare copper wire. Coverage ≥ 95%
Sheath	LSZH sheath. Nominal outer diameter 6.15mm
Sheath Color	Black

#### 2x1x2x22AWG Shielded Twisted Pair ( around coaxial cable)

Conductor	7/0.254mm Stranded bare copper
Insulation	PVC material. Thickness 0.4mm
Insulation Color	Black and white
Shield	Aluminium polyester tape
Drain Wire	24 AWG stranded tinned copper drain wire
Sheath	LSZH sheath. Nominal outer diameter 5.23mm. Thickness 0.76mm
Sheath Color	Black and Grey



## Composite Cables

### 4x2.5mm<sup>2</sup> Power Cable ( around coaxial cable)

<b>Conductor</b>	2.5mm <sup>2</sup> Stranded bare copper wire
<b>Insulation</b>	XLPE. Nominal outer diameter 3.41mm
<b>Insultion Color</b>	Blue, Brown, Black and Green/Yellow

### Element Assembly

<b>Filler</b>	PE or PP material
<b>Wrapping Tape</b>	Polyester tape
<b>Inner Sheath</b>	Black LSZH, thickness 0.8mm
<b>Aarmor</b>	Steel wire braid, coverage 85%
<b>Outer Sheath</b>	LSZH, thickness 1.5mm, nominal outer diameter is 22.34±2.0mm
<b>Sheath Color</b>	Black
<b>Cable Weight</b>	740kg/km

## Electrical and Physical Properties @20°C:

### Coaxial Cable

**Impedance:** 75±3Ohm (@1MHz)

**Max. Attenuation:** 7.5dB/100m @50MHz

### Power Cable

**Electrical Resistance:** 7.41Ohm/km

**Insulation Resistance:** ≥5500 MOhm×km

### Data Pairs

**Electrical Resistance:** 48.4Ohm/km

**Insulation Resistance:** ≥1000 MOhm×km

### Element Assembly

**Min Bending Radius:** 420mm

**Operating Temperature:** -35°C/+80°C



### Fire Performance:

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Low Smoke Capacity: IEC61034-1/2

Halogen Free: IEC60754-1/2

Flame Propagation: IEC60332

\* The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.