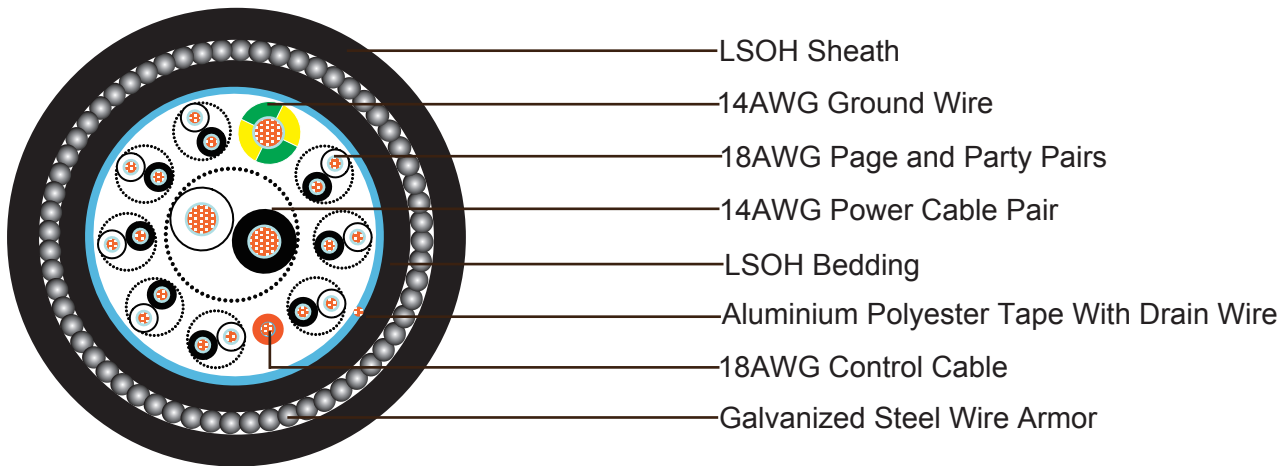




Fire Resistant, SWA 20 Conductors UV Resistant, Flame Retardant LSZH Composite Cable

Construction:



1 Pair Power cable and 1 ground wire

Conductor	14AWG (19/0.361mm) annealed copper
Fire Barrier	Mica/Glass Tape
Insulation	XLPE material. Thickness 0.7mm
Insulation Color	Black and white
Ground wire color	Yellow-Green

8 Party Line and Spare Pair, 1 control wire

Conductor	18AWG (19/0.254mm) annealed copper
Fire Barrier	Mica/Glass Tape
Insulation	XLPE material. Thickness 0.7mm
Insulation Pair Color	Black & White with Pair Number
Control wire color	Orange



Composite Cables

Element Assembly

Core make-up	The power pair, ground wire, Party Line and Spare Pair, and control wire are twisted together. Fillers will be used if necessary.
Binder tape	The polyester tape is wrapped over the cable cores
Bedding	1.0mm Flame Retardant LSZH compound
Armour	1.6mm Steel wire armor
Sheath	UV Resistant, Flame Retardant LSZH is applied over armour.. Thickness 1.7mm, Overall diameter 34.8±2.5mm
Sheath Color	Black
Cable Weight	1722 kg/km

Electrical and Physical Properties @20°C:

Power Pair, Ground Wire

Max. Conductor Resistance: 8.9Ohm/km at 20°C

Insulation Resistance: ≥1000 MOhm \times km

Party Line and Spare Pair, Control Wire

Max. Conductor Resistance: 17.9Ohm/km at 20°C

Insulation Resistance: ≥1000 MOhm \times km

Operating Temperature: -20°C/+90°C

Voltage Rating: 600/1000V

Fire Characteristics:

Fire Resistance: IEC 60331

Flame Propagation: IEC60332-1 & IEC60332-3C

Low Smoke Capacity: IEC61034-1/2

Halogen Free: IEC60754-1/2

* 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.