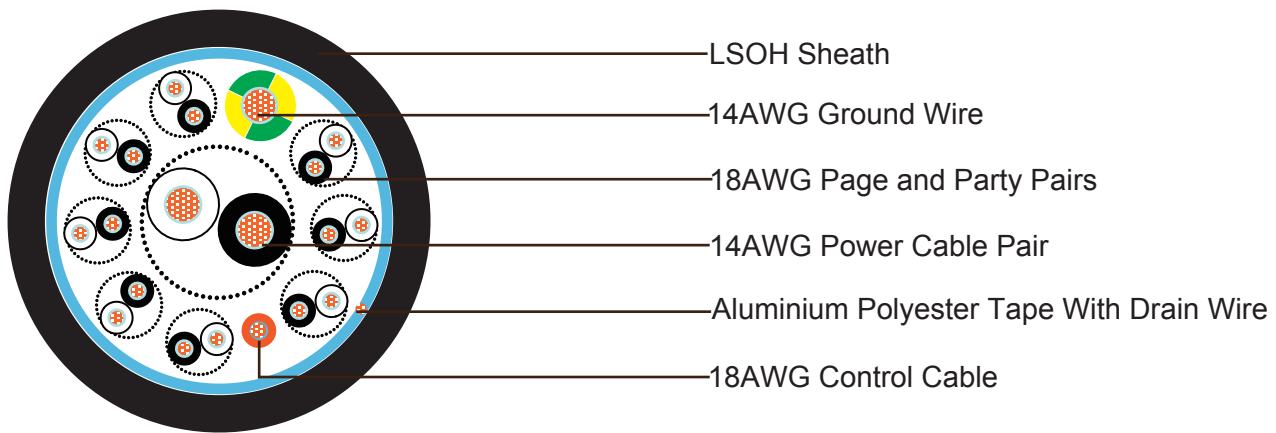




### Fire Resistant, Unarmored 20 Conductors UV Resistant, Flame Retardant LSZH Composite Cable

#### 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

<b>Core make-up</b>	The power pair, ground wire, Party Line and Spare Pair, and control wire are twisted together. Fillers will be used if necessary.
<b>Binder tape</b>	The polyester tape is wrapped over the cable cores
<b>Sheath</b>	UV Resistant, Flame Retardant LSZH is applied over armour.. Thickness 1.5mm, Overall diameter 29.5±2.0mm
<b>Sheath Color</b>	Black
<b>Cable Weight</b>	566 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.