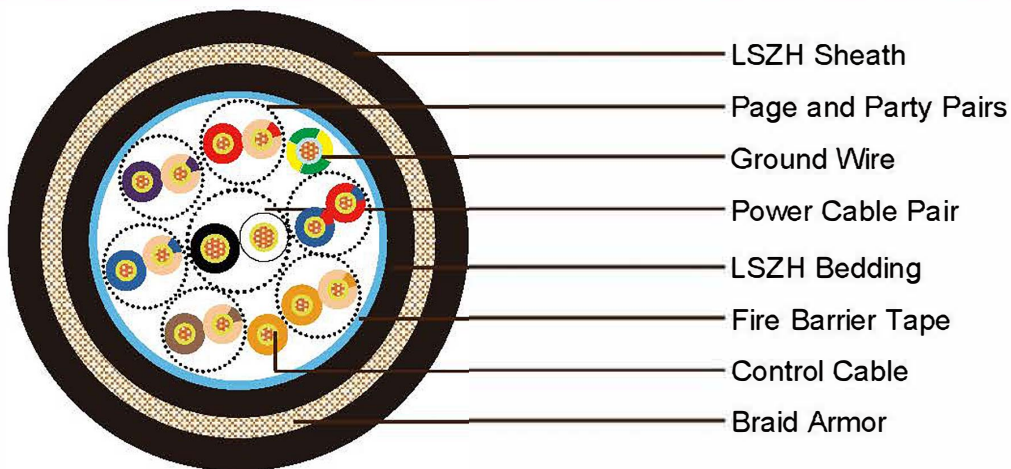


Fire Resistant Armored LSZH 16 Conductors Composite Cable

Construction:



1 Pair Power Cable and 1 Ground Wire

Conductor	12AWG tinned copper
Fire Barrier	Mica Tape
Insulation	XLPE compound. Thickness 0.7mm
Insulation Color	Black, White
Ground Wire Color	Green/Yellow

6 Party Line and Spare Pair and 1 Control Wire

Conductor	18AWG tinned copper
Fire Barrier	Mica Tape
Insulation	XLPE compound. Thickness 0.7mm
Insulation Pair Color	Red, Light Tan/Red; Violet, Light Tan/Violet; Blue, Light Tan/Blue; Brown, Light Tan/Brown; Yellow, Light Tan/Yellow; Blue/Red, Red/Blue
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 available if necessary
Binder tape	Fire barrier tape
Bedding	2.0mm LSZH compound, Black
Aarmor	Tinned Copper Wire Braid, coverage $\geq 88\%$
Sheath	2.0mm LSZH compound (IEC60092 SHF2). Overall diameter $31\pm 2.5\text{mm}$
Sheath Color	Black

Electrical and Physical Properties @20°C:

Power Pair, Ground Wire

Max. Conductor Resistance: 5.4Ohm/km at 20°C

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

Party Line and Spare Pair, Control Wire

Max. Conductor Resistance: 21.4Ohm/km at 20°C

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

Operating Temperature: -20°C/+90°C

Voltage Rating: 600/1000V

Fire Characteristics:

Fire Resistance: IEC 60331

Flame Propagation: EC60332-3A

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.