



Instrumentation Cables

www.caledonian-cables.co.uk

P16 IFLI 250 V

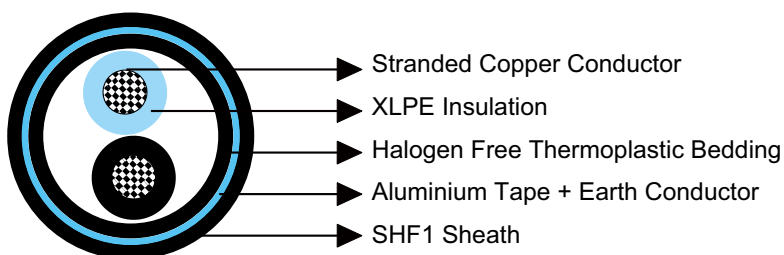
Applications

These cables are flame retardant, low smoke and halogen free, used for living, quarter and office areas.



Standards

- IEC 60092-376
- IEC 60092-351
- IEC 60092-359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004



Construction

- **Conductors:** Circular stranded copper wire to IEC 60228 class 2.
- **Insulation:** XLPE.
- **Bedding:** Halogen free thermoplastic compound.
- **Metal Screen:** Longitudinal aluminium tape, thickness 0.2 mm in contact with a stranded copper earth conductor.
- **Outer Sheath:** Halogen free thermoplastic compound, SHF1, coloured grey.

Electrical Characteristics

Nominal Cross Section Area	mm ²	2.5
Maximum Resistant@20°C	Ω/km	7.41
Continuous Current Rating@45°C 2 Core	A	26
Short Circuit Current 1s	A	360
Operating Voltage	V	250





Mechanical and Thermal Properties

- Bending Radius: 8×OD (during installation); 6×OD (fixed installed)
- Temperature Range: -20°C ~ +90°C

Dimensions and Weight

Construction No. of elements×No. of cores in element×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm		Nominal Overall Diameter mm	Nominal Weight kg/km
		Inner	Outer		
2×1×2.5	0.7	1.1	1.2	10.0	180

