



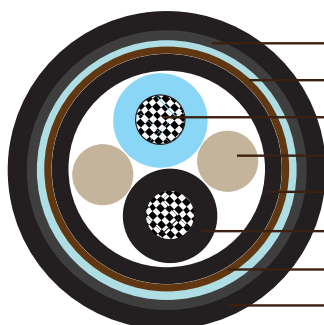
## Water Blocked P16 IFLI 250 V

### Applications

These cables are partially water blocked, 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
- VG 95218 part 29



- SHF1 Inner Sheath
- Water Blocking tape
- Stranded Copper Conductor
- Water Blocking Fillers
- Halogen Free Thermoplastic Bedding
- XLPE Insulation
- Aluminium Tape + Earth Conductor
- Polyurethane Outer Sheath

### Construction

- **Conductors:** Circular stranded copper wire to IEC 60228 class 2.
- **Insulation:** XLPE.
- **Filler:** Water blocking fillers, if required.
- **Bedding:** Halogen free thermoplastic compound.
- **Metal Screen:** Longitudinal aluminium tape, thickness 0.2 mm in contact with a stranded copper earth conductor, PETP wrapping tape will be applied over the bedding, if required.
- **Water Blocking Elements:** Water blocking tape and strings for providing longitudinal water tightness.
- **Inner Sheath:** Halogen free thermoplastic compound, SHF1, coloured grey.
- **Outer Sheath:** Polyurethane for providing transversal water tightness, PE is optional, but can not meet low smoke standard.





## Electrical Characteristics

Nominal Cross Section Area	mm <sup>2</sup>	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 <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Bedding Thickness mm	Nominal Inner Sheath Thickness mm	Nominal Outer Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2×1×2.5	0.7	1.1	1.2	1.0	12.0±2	189



Standard



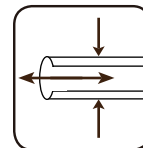
Standard



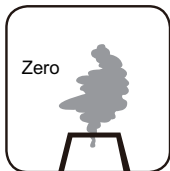
Standard



Standard



Water Tightness  
VG 95218-29



Halogen Free  
IEC60754-1



Low Corrosivity  
IEC60754-2



Low Smoke Emission  
IEC 61034-1&2



Flame Retardancy  
IEC60332-1



Reduced Fire Propagation  
IEC60332-3-22

