

## PRODUCT SPECIFICATION

EPB54410

Low voltage power cable

Copper conductors

LSZH insulation

Reaction to fire: class B2<sub>ca</sub>-s1a,d1,a1

### Construction and testing according standards

EN 60228

EN 50525-3-31

Flame retardant – EN 60332-1-2

Fire retardant – EN 50399

Halogen free – EN 60754-1

Low acidity and corrosivity – EN 60754-2

Low smoke emission – EN 61034-2

Reaction to fire – EN 50575 (B2<sub>ca</sub>-s1a,d1,a1)

### Rated voltage

450 / 750 V

### Outer sheath colour

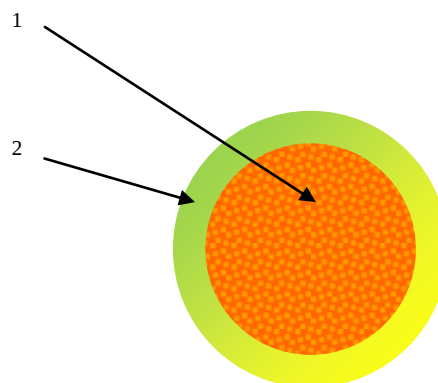
Black, Blue, Brown, Grey, Green/Yellow

### Marking

On the outer sheath, with the following information:

<Certif> <HAR> CABELTE H07Z1-K TYPE 2  
1 x 'cross-section' B2<sub>ca</sub>-s1a,d1,a1

## H07Z1-K Type 2



Schematic cross-sectional drawing

### Legend:

- 1 – Plain annealed round copper conductor, class 5 manufactured according to EN 60228.
- 2 – LSZH flame/fire retardant and with low emission of smoke, type TI 7.

### Additional information

Maximum temperature in conductor, in normal operation – **70°C**

Maximum temperature in conductor, in short-circuit (max. 5 seconds) – **180°C**

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### Technical characteristics

|                                                | 1x1,5 | 1x2,5 | 1x4 | 1x6 | 1x10 | 1x16 |
|------------------------------------------------|-------|-------|-----|-----|------|------|
| Approximated outer diameter (mm)               | 3     | 4     | 4   | 5   | 6    | 7    |
| Approximated final weight (kg/km)              | 20    | 30    | 44  | 62  | 104  | 160  |
| Min. bending radius – during installation (mm) | 9     | 11    | 13  | 14  | 18   | 22   |

|                                                | 1x25 | 1x35 | 1x50 | 1x95 | 1x150 | 1x240 |
|------------------------------------------------|------|------|------|------|-------|-------|
| Approximated outer diameter (mm)               | 9    | 10   | 12   | 15   | 20    | 25    |
| Approximated final weight (kg/km)              | 245  | 335  | 475  | 875  | 1380  | 2210  |
| Min. bending radius – during installation (mm) | 27   | 31   | 36   | 62   | 79    | 99    |