

## PRODUCT SPECIFICATION

EPB51520

Low voltage power cables

Copper conductors

PVC insulation

Concentric conductor of annealed, round copper wires

Flame retardant PVC outer sheath

All components lead free

### Reference standards

IEC 60228, HD 383  
HD 603-1, HD 603-3J  
Flame Retardant - EN 60332-1-2  
Reaction to fire – EN 50575 (Eca)

### Rated voltage

0,6 / 1 (1,2) kV

### Conductors identification - By colouring of insulation

2 conductors – Blue, Brown  
3 conductors - Blue, Brown, Green/Yellow  
4 conductors - Brown, Black, Grey, Green/Yellow

### Outer sheath colour

GREY

### Marking

By printing or embossing on the outer sheath with the following details (example):

CABELTE PFSP 3x2,5/2,5 0,6/1kV Eca Year MM

MM = Metric Marking

### Additional information

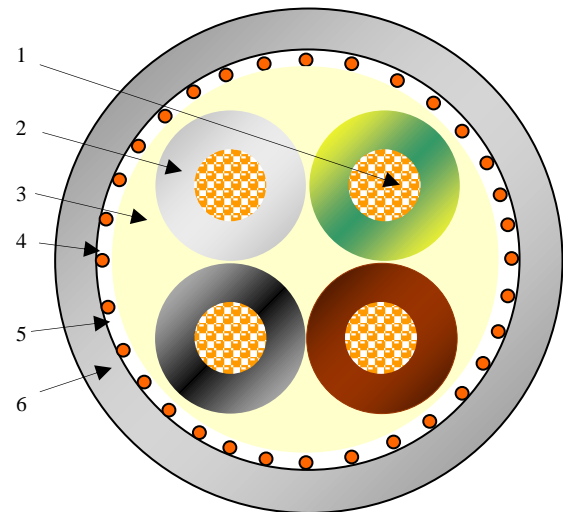
Maximum temperature in conductor, in normal operation – 90°C

Maximum temperature in conductor, in short-circuit (max. 5 seconds) – 250°C

Modular lengths – **Drum 500/1000** as specified by customer.

Note: other modular lengths can be combined between customer and CABELTE.

## PFSP Cu



Cross sectional drawing

### Legend:

- 1 – Solid (section < 10 mm<sup>2</sup>) or stranded (section ≥ 10 mm<sup>2</sup>), plain annealed copper conductors, according IEC 60228 (HD 383).
- 2 – PVC insulation.
- 3 – Extruded inner covering applied, over the stranded conductors.
- 4 – Concentric conductor with an inner layer of round annealed copper wires and a copper binder tape over the wires.
- 5 – Plastic tape spirally applied, over the concentric conductor.
- 6 – Flame retardant PVC.

### Mechanical characteristics

Maximum pulling force over conductor (N)	30 x S (S = conductor cross-section)
Minimum bending radius in installation (mm)	10 x D (D = cable outer diameter)
Minimum installation temperature	-10°C
Recommended minimum installation temperature	0°C

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### Technical characteristics

	2x1,5/1,5	2x2,5/2,5	3x2,5/2,5
Ahlsell's article number (stock number)	1054360	1054361	1054362
Approximated outer diameter (mm)	11	12	12
Approximated final weight (kg/km)	170	210	240
Min. bending radius – during installation (mm)	110	120	120
Capacitance – indicative value (µF/km)	0,105	0,118	0,128

	3x10/10	4x10/10	3x16/16	4x16/16
Ahlsell's article number (stock number)	1054370	1054371	1054372	1054373
Approximated outer diameter (mm)	20	21	22	23
Approximated final weight (kg/km)	690	810	950	1130
Min. bending radius – during installation (mm)	200	210	220	230
Capacitance – indicative value (µF/km)	0,167	0,163	0,186	0,180