

## PRODUCT SPECIFICATION

EPB51580

Low voltage aerial bundle cables

Multicore cables

Hard drawn stranded aluminium phase conductors

Hard drawn stranded aluminium PEN conductor

PE insulation

### Standards

Based on HD 626 S1/A1 part 3 section I  
IEC 60228  
Halogen free – IEC 60754-1

### Rated voltage

0,6 / 1 (1,2) kV

### Insulation colours

Phases: **BLACK** with ribs  
PEN conductor

### Core identification

Phase cores: **Raised rib(s)**

- **Phase 1: 1 ribs**
- **Phase 2: 2 ribs**
- **Phase 3: 3 ribs**

Rib base width = 1mm : Rib height = 0,5mm

Distance between adjacent ribs: 3,5 to 4mm

PEN conductor.

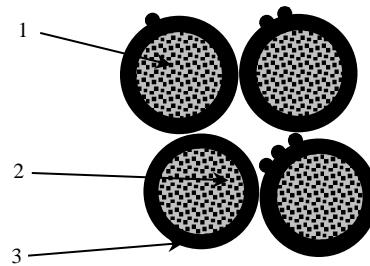
### Additional information

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.

## EX 0,6/1kV (Aerial Bundle Conductors – ABC)



Cable schematic drawing (for illustration purposes)

### Legend:

- 1 –Hard-drawn stranded aluminium conductors, class 2, according IEC 60228 (phase conductor).
- 2 –Hard-drawn stranded aluminium conductors, class 2, according IEC 60228 (PEN conductor).
- 3 –PE insulation. Highest rated temperature of insulation compound in normal operation = 70°C.

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### Technical characteristics

Conductor	25 mm <sup>2</sup>	50 mm <sup>2</sup>	95 mm <sup>2</sup>
N° of wires/ Lay direction	7 / Z	19 / Z	19 / Z
Conductor diameter (mm)	6,0	8,0	11,2
Insulation Nom. Thickness (mm)	1,3	1,5	1,7
Outer diameter (mm)	9	11	15
Min. breaking load (kN)	4,1	7,3	13,7

Z = Right direction

Cable	2x25	3x25	3x50	3x95	4x25	4x50	4x95
Ahlsell's article number (stock number)	1095480	1095481	1095482	1095483	1095484	1095485	1095486
Approximated outer diameter (mm)	18	19	24	32	21	35	36
Lay direction	S	S	S	S	S	S	S
Approximated final weight (kg/km)	200	300	510	980	400	670	1300

S = Left direction