

## PRODUCT SPECIFICATION

EPB51741.docx

Low voltage power cable

Aluminium conductors

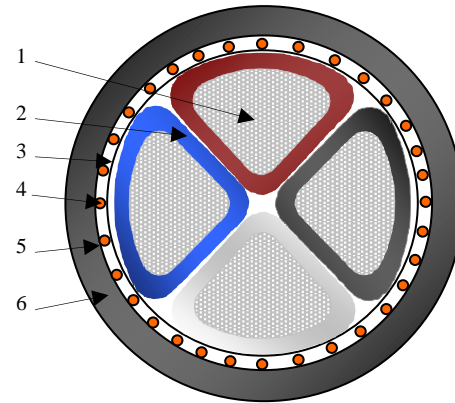
XLPE insulation

LSZH inner covering

Copper wire concentric conductor

LSZH outer sheath

## AXQJ / IFSI AL 0,6/1kV



Schematic cross-sectional drawing  
(example for four sector-shaped conductors cable)

### Construction and testing according standards

EN 60228

Based on HD 604 Part 5 Section D

IEC 60502-1

Flame retardant – EN 60332-1-2

Fire retardant – EN 50399

IEC 60332-3-24 Cat.C

Halogen free – EN 60754-1

Low acidity and corrosivity – EN 60754-2

Reaction to fire – EN 50575 (D<sub>ca-s2,d2</sub>)

### Rated voltage

0,6 / 1 (1,2) kV

### Colours

#### Insulation:

3 conductors – Brown + Black + Grey

4 conductors – Blue + Brown + Black + Grey

#### Outer sheath:

Black

### Marking

On the outer sheath, with the following information:

**CABELTE AXQJ / IFSI AL n x S<sub>1</sub>/S<sub>2</sub> Dca-s2,d2**

**Year - Month M.M.**

n – Number of conductors

S<sub>1</sub> – Conductor cross-section (mm<sup>2</sup>)

S<sub>2</sub> – Concentric conductor cross-section (mm<sup>2</sup>)

Year – Year of manufacture (4 digits)

Month – Month of manufacture (2 digits)

M.M. – 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**

Minimum operation temperature (fixed installation) – **-30°C**

Modular lengths – **Drum 500** or **Drum 400** as specified by customer. Note: other modular lengths can be combined between customer and CABELTE.

### Legend:

- 1 – Stranded sector-shaped aluminium conductor, class 2, manufactured according to EN 60228.
- 2 – XLPE insulation, according to IEC 60502-1.
- 3 – Plastic binding tape over laid-up conductors.
- 4 – Concentric conductor of round annealed copper wires and a copper binder tape over the wires.
- 5 – Plastic tape spirally applied, over the concentric conductor.
- 6 – Halogen free fire retardant thermoplastic compound with UV protection.

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### Technical characteristics

Note: TBD = To be defined

SWE = Sweden

NOR = Norway

	3x50/16	3x70/21	3x95/29	3x150/41	3x240/72
Ahlsell's article number (SWE)	0034820	0034830	0034840	0034860	0034880
Ahlsell's article number (NOR)	1033931	TBD	1033932	1033933	1033934
Approximated outer diameter (mm)	25	29	33	40	49
Approximated final weight (kg/km)	800	1090	1450	2180	3480
Min. bending radius – during installation (mm)	203	232	265	316	388
Capacitance – indicative value (µF/km)	0,267	0,283	0,300	0,319	0,343

	4x50/16	4x70/21	4x95/29	4x120/41	4x150/41
Ahlsell's article number (SWE)	0034920	0034930	0034940	0034950	0034960
Ahlsell's article number (NOR)	1033936	TBD	1033937	TBD	1033938
Approximated outer diameter (mm)	29	34	38	41	45
Approximated final weight (kg/km)	990	1380	1800	2270	2720
Min. bending radius – during installation (mm)	229	272	300	328	360
Capacitance – indicative value (µF/km)	0,240	0,248	0,265	0,272	0,274

	4x185/57	4x240/72
Ahlsell's article number (SWE)	0034970	0034980
Ahlsell's article number (NOR)	TBD	1033933
Approximated outer diameter (mm)	50	56
Approximated final weight (kg/km)	3420	4350
Min. bending radius – during installation (mm)	400	446
Capacitance – indicative value (µF/km)	0,280	0,285