

PRODUCT SPECIFICATION

EPB51740

Low voltage power cable

Aluminium conductors

XLPE insulation

LSZH inner covering

Copper wire concentric conductor

LSZH outer sheath

Construction and testing according standards

EN 60228

Based on HD 603 Part 3 Section L

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_{ca}-s2,d2)

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 S₁/S₂ Dca-s2,d2

Year - Month M.M.

n – Number of conductors

S₁ – Conductor cross-section (mm²)

S₂ – Concentric conductor cross-section (mm²)

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.

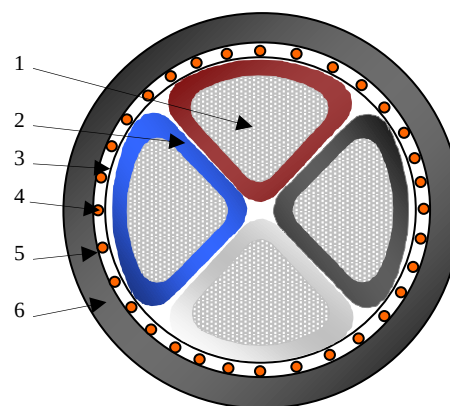
5 seconds) – **250°C**

Modular lengths – **Drum 500** or **Drum 400** as specified by

costumer. Note: other modular lengths can be combined

between costumer and CABELTE.

AXQJ / IFSI AL 0,6/1kV



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

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

	3x50/16	3x95/29	3x150/41	3x240/72
Ahlsell's article number	1033931	1033932	1033933	1033934
Approximated outer diameter (mm)	25	33	40	49
Approximated final weight (kg/km)	800	1450	2180	3480
Min. bending radius – during installation (mm)	203	265	316	388
Capacitance – indicative value (µF/km)	0,267	0,300	0,319	0,343

	4x50/16	4x95/29	4x150/41	4x240/72
Ahlsell's article number	1033936	1033937	1033938	1033933
Approximated outer diameter (mm)	29	38	45	56
Approximated final weight (kg/km)	990	1800	2720	4350
Min. bending radius – during installation (mm)	229	300	360	446
Capacitance – indicative value (µF/km)	0,240	0,265	0,274	0,285