

## PRODUCT SPECIFICATION

EPB51610

Low voltage power cables

Copper conductors, class 2

XLPE insulation

Halogen free outer sheath

### Reference standards

	EN 60228
HD 604-5D (in applicable parts)	EN 50525
Flame retardant -	EN 60332-1-2
Fire retardant -	EN 60332-3-24
	EN 50399
Reaction to fire –	EN 50575 (D <sub>ca</sub> -s2,d2,a2)

### Rated voltage

600/1000 V

### Conductors identification - By colouring of insulation

HD 308

### Outer sheath colour

WHITE

### Marking

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

CABELTE IFXI nxS 1000V Dca-s2,d2,a2 Year M.M.

Where:

N = number of conductors

S = Conductor cross-section (mm<sup>2</sup>)

Year = Year of manufacturing

M.M. = Metric marking

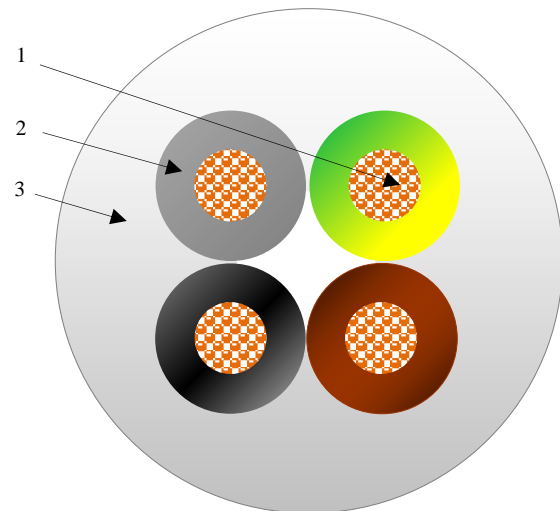
### Additional information

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

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

Modular lengths – **Plastic drum 150/200/250/500/1000 m** or **Coil 50m** as specified by customer. Note: other modular lengths can be combined between customer and CABELTE.

## IFXI 1000V



Cross sectional drawing – IFXI with 4 round copper conductors

### Legend:

- 1 – Copper conductor, according to EN 60228: round stranded, class 2.
- 2 – XLPE insulation.
- 3 – Halogen free fire retardant thermoplastic compound.

### Mechanical characteristics

Maximum pulling force over conductor (N)	50 x S (S = conductor cross-section)
Minimum bending radius in installation (mm)	12 x D (D = cable outer diameter)
Minimum installation temperature	-20°C
Recommended minimum installation temperature	0°C

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### Technical characteristics

	<b>3G4</b>	<b>3G6</b>	<b>3G10</b>	<b>3G16</b>
Ahlsell's article number (stock number)	1009070	1009071	1009076	1009077
Approximated outer diameter (mm)	12	13	15	17
Approximated final weight (kg/km)	230	300	450	650
Min. bending radius – during installation (mm)	144	156	180	204
Capacitance – indicative value (µF/km)	0,174	0,189	0,208	0,232

	<b>4G4</b>	<b>4G6</b>	<b>4G10</b>	<b>4G16</b>
Ahlsell's article number (stock number)	1009072	1009074	1009078	1009079
Approximated outer diameter (mm)	13	14	17	19
Approximated final weight (kg/km)	280	370	560	810
Min. bending radius – during installation (mm)	156	168	204	228
Capacitance – indicative value (µF/km)	0,167	0,181	0,198	0,219

	<b>5G4</b>	<b>5G6</b>	<b>5G10</b>	<b>5G16</b>
Ahlsell's article number (stock number)	1009073	1009075	1009080	1009081
Approximated outer diameter (mm)	14	15	18	21
Approximated final weight (kg/km)	340	440	680	990
Min. bending radius – during installation (mm)	370	180	216	252
Capacitance – indicative value (µF/km)	0,162	0,175	0,191	0,209