

PRODUCT SPECIFICATION

EPB51590

Low voltage cables

Multicore cables

Copper conductors

PVC insulation

Flame retardant PVC outer sheath (ST2 type)

Standards

IEC 60228
 NP HD 21-4
 Flame retardant - EN 60332-1-2
 Reaction to fire – EN 50575 (Eca)

Rated voltage

300 / 500 V

Colour code

Insulation:

3 conductors: **Blue, Brown and Yellow/Green**
 4 conductors: **Brown, Black, Grey and Yellow/Green**
 5 conductors: **Blue, Brown, Black, Grey and Yellow/Green**

Outer sheath:

Cream, or other specified

Marking

On the outer sheath with the following information:

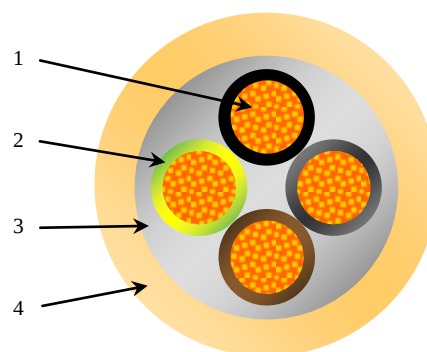
CABELTE PFXP <cable composition> Eca Year M.M.

Year - Year of manufacture
 M.M. - Metric Marking

Additional information

Maximum temperature in conductor, in normal operation – **70°C**
 Maximum temperature in conductor, in short-circuit (max. 5 seconds) – **160°C**
 Modular lengths – **Plastic drum 150/200/250/500m** or **Coil 50m** as specified by customer. Note: other modular lengths can be combined between customer and CABELTE.

PFXP 500V



Cross sectional drawing (example for 4 conductors)

- 1 – Plain annealed circular copper conductors, class 2 according to BS EN 60228.
- 2 - PVC insulation.
- 3 – PVC inner covering.
- 4 – Flame retardant PVC outer sheath.

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	5°C
Recommended minimum installation temperature	15°C

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Technical characteristics

Note: TBD = To be defined

	3G1,5	3G2,5	3G4	3G6	3G10	3G16
Ahlsell's article number (stock number)	TBD	TBD	TBD	TBD	TBD	TBD
Approximated outer diameter (mm)	9	11	12	13	16	18
Approximated final weight (kg/km)	130	180	250	320	500	700
Min. bending radius – during installation (mm)	90	110	120	130	160	180
Capacitance – indicative value (µF/km)	0,136	0,147	0,167	0,179	0,186	0,208

	4G1,5	4G2,5	4G4	4G6	4G10	4G16
Ahlsell's article number (stock number)	TBD	TBD	TBD	TBD	TBD	TBD
Approximated outer diameter (mm)	10	12	14	15	18	20
Approximated final weight (kg/km)	160	220	310	400	620	880
Min. bending radius – during installation (mm)	100	120	140	150	180	200
Capacitance – indicative value (µF/km)	0,133	0,142	0,158	0,172	0,176	0,196

	5G1,5	5G2,5	5G4	5G6	5G16
Ahlsell's article number (stock number)	TBD	TBD	TBD	TBD	TBD
Approximated outer diameter (mm)	11	13	15	16	22
Approximated final weight (kg/km)	190	270	380	480	1230
Min. bending radius – during installation (mm)	110	130	150	160	220
Capacitance – indicative value (µF/km)	0,130	0,139	0,154	0,167	0,184