**elbaC Cable**

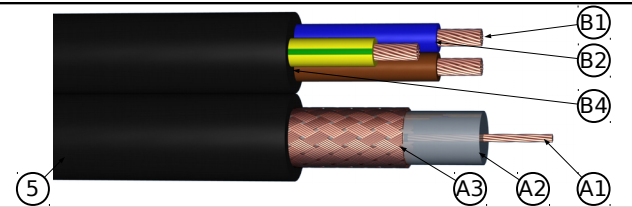
ZAC sous le Beer - RD 836

F-27730 BUEIL

Tel : +33 (0)2 32 62 00 92

Fax : +33 (0)2 76 01 31 80

www.elbac.fr / info@elbac.fr

**Construction****Group** (A) (B)**Inner conductor** (1)

Material	Bare Copper	Bare Copper
Diameter	7 × Ø 0.19mm	21 × Ø 0.21mm
Section	0.22 mm ²	0.75 mm ²

Insulation (2)

Material	Solid PE	PVC - Fire ret.
Color	Natural	Blue, Brown, Yellow with green line
Diameter	Ø3.7±0.10mm	Ø2.0±0.15mm

Outer conductor (3)**1st Layer**

Material	Copper Clad Alum.	X
Coverage	85%	
Braiding	16×(7×Ø0.12mm)	
Lay Length		

Filler (4)

Material	Chalk
----------	-------

Assembly

Type	Flat cable double shotgun	
Position	Left	Right
Quantity	1 coax	3 conductors

Sheath (KX 3C) (5)

Material	PVC - Fire retardant	
Color	Black	Black
Diameter	Ø6.1±0.15 mm	Ø5.7 ±0.15 mm

Mass

95 kg/km

Marking on sheath

Printing	« KX6 + 3×0.75 - CE - elbaC 171205 - DDDDD - XXX m » <small>with XXX quantity in meter still available per reel DDDDD : Date code</small>
Color	White / Pigment ink jet
Step	1 m

Meet Standards

European directive 2011/65/EU / IEC 60332 - 1

Packaging

-R1	: 100m / Easy reel drum
-W 2	: 250m / W ooden drum

Electrical characteristics KX6 (A)

Impedance	75 ± 3 Ω
Capacitance	67 ± 3 pF/m
Max DC resistance	
Inner conductor	93.8 Ω/km
Outer conductor	22.6 Ω/km
Propagation velocity ratio	66%
Rated voltage	30 V
Insulation resistance 20°C	>500M Ω/km

Longitudinal attenuation

Frequency MHz	Max attenuation dB/100m
10	3.7
200	17.0
400	25.0
800	35.5

Return loss

Frequency MHz	Return loss dB
[30 - 1000]	> 20

Screening attenuation

Frequency MHz	Screen attenuation dB
[30 - 2000]	>75

Electrical characteristics (B)

Max DC resistance	< 24 Ω/km
Rated voltage U0/U	450 / 750V
Insulation resistance 20°C	> 200MΩ.km

Thermal characteristics

Rated Temperature	80°C
-------------------	------

Notes