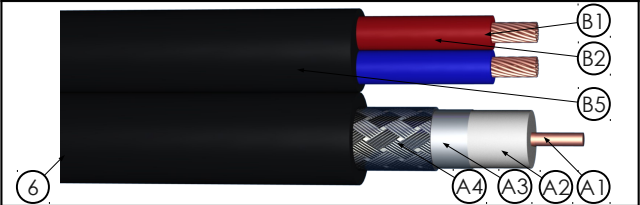
**elbaC Cable**

ZAC sous le Beer - RD 836
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**Construction****Group** (A) (B)**Inner conductor** (1)

Material	Bare Copper	Bare Copper
Diameter	1 × Ø 0.80 ± 0.005 mm	43 × Ø 0.21mm
Section	0.50 mm ²	1.5 mm ²

Insulation (2)

Material	Foamed PE	PVC - Fire ret.
Color	Natural	Blue/Red
Diameter	Ø3.65±0.10mm	Ø2.4±0.15mm

Outer conductor**1st + 2nd Layers** (3) (4)

Film	PET/Alu 125%	X
Braiding	16×(6×Ø0.12mm)	
Coverage	78%	
Material	Tinned copper clad aluminum	

Filler (5)

Material	Chalk
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Assembly

Type	Flat cable double shotgun	
Position	Left	Right
Quantity	1 coax	2 conductors

Sheath (ID) (2C) (6)

Material	PVC - Fire retardant	
Color	Black	Black
Diameter	Ø6.1±0.15 mm	Ø6.1 ±0.3 mm

Mass

Mass	100 kg/km
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Marking on sheath

Printing	« iDEFINITION 80 + 2×1.5 -CE - elbaC with XXX quantity in meter still available per reel DDDDD : Date code »
Color	White / Pigment ink jet
Step	1 m

Meet Standards

European directive 2011/65/EU

Electrical characteristics (A)

Impedance	75 ± 2 Ω
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Capacitance	< 58 pF/m
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Max DC resistance

Inner conductor	37 Ω/km
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Outer conductor	36 Ω/km
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Propagation velocity ratio	81%
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Rated voltage	30 V
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Insulation resistance 20°C	>500MΩ/km
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Longitudinal attenuation

Frequency MHz	Max attenuation dB/100m
5	1.8
50	5.6
100	7.9
300	13.9
400	16.1
1000	26.3
2150	39.7
3000	47.8

Return loss

Frequency MHz	Return loss dB
[30 – 1000]	> 23

Screening attenuation

Frequency MHz	Screen attenuation dB
[30 – 2000]	> 80
] 2000 – 3000]	> 85

Electrical characteristics (B)

Max DC resistance	< 12.5 Ω/km
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Rated voltage U0/U	450 / 750V
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Insulation resistance 20°C	> 200MΩ.km
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Thermal characteristics

Rated Temperature	80°C
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Packaging

-R1	: 150m / Easy Reel Box
-W2	: 250m / Wooden drum
-W5	: 500m / Wooden drum

Notes