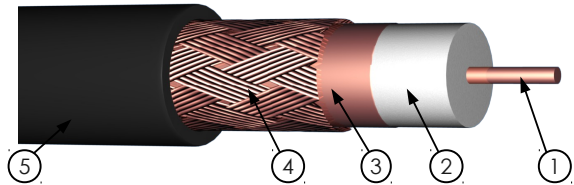
**elbaC Cable**

ZAC sous le Beer - RD 836
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 Fax : +33 (0)2 76 01 31 80
 www.elbac.fr / info@elbac.fr

**Construction****Inner conductor** ①

Material	Annealed copper
Diameter	Ø 1.70 ± 0.02 mm

Dielectric ②

Material	Cellular PE Physical
Color	Natural
Diameter	Ø 7.00 ± 0.25 mm

Outer conductor**1st Layer** ③

Material	Copper/PET Tape
Coverage	≥ 115%

2nd Layer ④


Material	Annealed copper
Braiding	24x (5 x Ø 0.12 mm)
Coverage	50%

Sheath ⑤

Material	PE black
Diameter	Ø 10.30 ± 0.30 mm

Mass	106 kg/km
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Marking on sheath

Printing with XXX quantity in meter still available per reel DDDDD : Date code	« EN 50117-6 11PR1C 1.7/6.9 Class A 3GHz -  - elbaC 100125 - DDDDD - XXX m »
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Color / Process	Yellow / Ink jet
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Step	1 m
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Stripping force / 50 mm

Dielectric	25 N ≤ F ≤ 50 N
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Meet Standards

EN 50117-6
 European directive 2011/65/EU

Electrical characteristics

Impedance	75 ± 3 Ω
Capacitance	< 50 pF/m

Max DC resistance

Inner conductor	0.80 Ω/100m
Outer conductor	2.20 Ω/100m

Propagation velocity ratio	88%
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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	Attenuation dB/100m
5	0.9
50	2.6
100	3.6
200	5.2
400	7.3
800	10.5
862	10.9
950	11.5
1350	13.8
1750	16.0
2150	18.0
3000	21.8

Return loss

Frequency MHz	Return loss dB
[5 - 30]	> 26
[30 - 470]	> 24
[470 - 862]	> 24
[862 - 2150]	> 23

Screening attenuation

Class	A
Attenuation 30-1000MHz	≥ 85 dB
Attenuation 1000-3000MHz	≥ 80 dB

Thermal characteristics

Rated Temperature	70°C
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Packaging

-W3	: 250m / Wooden Drum
-W5	: 500m / Wooden Drum

Notes