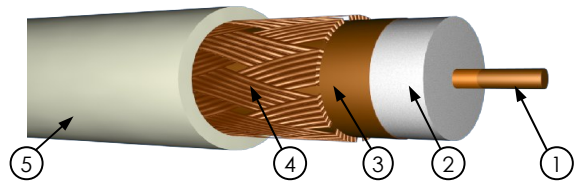
**elbaC Cable**

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****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****1<sup>st</sup> Layer** ③

Material	PET/Copper Tape
Coverage	≥ 115%

**2<sup>nd</sup> Layer** ④

Material	Annealed copper
Braiding	24 x (5 x Ø 0.12 mm)
Coverage	57%

**Sheath** ⑤

Material	PVC White
Diameter	Ø 10.30 ± 0.30 mm

<b>Mass</b>	106 kg/km
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**Marking on sheath**

Printing <small>with XXX quantity in meter still available per reel WW/YY : Week/Year</small>	« EN 50117-5 11VRtC 1.7/6.9 Class A 3GHz - elbaC 100120 – WW/YY - 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 50117-5  
UTE C 90-132  
RoHS European directive

**Electrical characteristics**

Impedance	75 ± 3 Ω
Capacitance	< 50 pF/m

**Max DC resistance**

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

<b>Propagation velocity ratio</b>	88%
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<b>Rated voltage</b>	30 V
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<b>Insulation resistance 20°C</b>	>500MΩ/km
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**Longitudinal attenuation**

Frequency MHz	Max attenuation dB/100m
5	0.9
50	2.7
100	3.8
200	5.4
400	7.7
800	11.0
862	11.5
950	12.1
1350	14.6
1750	16.7
2150	18.7
3000	22.3

**Return loss**

Frequency MHz	Return loss dB
[ 5 - 30 ]	> 23
[ 30 - 470 ]	> 23
[ 470 - 862 ]	> 20
[ 862 - 1000 ]	> 18

**Screening attenuation**

Class	A
Attenuation 30-1000MHz	≥ 85 dB

**Thermal characteristics**

<b>Rated Temperature</b>	80°C
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**Packaging**

-W2	: 200 m / Wooden Drum
-W5	: 500 m / Wooden Drum

**Notes**

Barcode of 100120-W2 : 317 100 120 20 18  
Barcode of 100120-W5 : 317 100 120 50 19



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