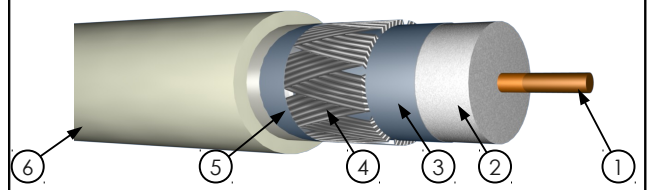
**elbaC Cable**

ZAC sous le Beer
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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 1.13 ± 0.02 mm |

Dielectric ②

| | |
|----------|----------------------|
| Material | Cellular PE Physical |
| Color | Natural |
| Diameter | Ø 4.85 ± 0.20 mm |

Outer conductor**1st Layer** ③

| | |
|----------|------------------------------|
| Material | Alu/Polyester/Alu thick tape |
| Coverage | ≥ 105% |

2nd Layer ④

| | |
|----------|----------------------|
| Material | Aluminum Alloy |
| Braiding | 16 x (4 x Ø 0.12 mm) |
| Coverage | 48% (angle 24°) |

3rd Layer ⑤

| | |
|----------|--------------------|
| Material | Alu/Polyester Tape |
| Coverage | ≥ 105% |

Sheath ⑥

| | |
|----------|------------------|
| Material | PVC White |
| Diameter | Ø 6.80 ± 0.20 mm |

Mass 48 kg/km

Marking of sheath

| | |
|----------|---|
| Printing | «EN50117-5 17VA1C 1.13/4.85 with XXX quantity in meter still available per reel Class A 3GHz - CE - elbaC 100160 - DDDDD - XXX m » |
|----------|---|

DDDDD : Date code

Color / Process Yellow / Ink jet

Step 1 m

Stripping force / 50 mm

Dielectric 15 N ≤ F ≤ 35 N

Meet Standards

European directive 2011/65/EU
EN 50117-5

Electrical characteristics

| | |
|-------------|-----------|
| Impedance | 75 ± 3 Ω |
| Capacitance | < 60 pF/m |

Max DC Resistance

| | |
|-----------------|---------|
| Inner conductor | 18 Ω/km |
| Outer conductor | 45 Ω/km |

Propagation velocity ratio. 84%

Rated voltage 30 V

Insulation resistance 20°C >500MΩ.km

Longitudinal attenuation

| Frequency MHz | Attenuation dB/100m |
|---------------|---------------------|
| 5 | 1.5 |
| 50 | 4.3 |
| 100 | 5.9 |
| 200 | 8.4 |
| 400 | 12.0 |
| 800 | 17.5 |
| 862 | 18.3 |
| 950 | 19.2 |
| 1350 | 23.3 |
| 1750 | 27.0 |
| 2150 | 30.6 |
| 3000 | 36.8 |

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

Max rated temperature 80°C

Packaging

-P1 : 100 m / elbaC black plastic
-R2 : 250 m / Easy reel box
-W5 : 500 m / Wooden drum

Notes

| |
|--|
| |
|--|