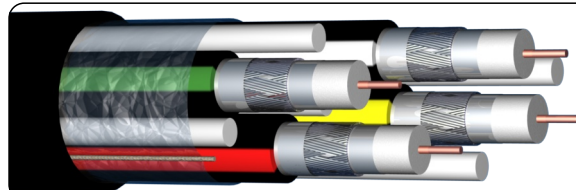
**elbaC Cable**

ZAC sous le Beer - RD 836
F-27730 BUEIL (Eure - France)
Tél : +33 (0)2 32 62 00 92
Fax : +33 (0)2 76 01 31 80
www.elbac.fr / info@elbac.fr

**Construction****Multi-construction**

4 coaxials + 5 spacers

Inner conductor ①

Material Annealed Copper

Diameter $\varnothing 1.13 \pm 0.02$ mm**Dielectric** ②

Material Cellular PE Physical

Color Natural

Diameter $\varnothing 4.85 \pm 0.20$ mm**Outer conductor****1st Layer** ③

Material Alu/PET/Alu Tape Bonded

Coverage $\geq 125\%$ **2nd Layer** ④

Material Aluminum Alloy

Braiding $16 \times (7 \times \varnothing 0.12$ mm)

Coverage 72%

3rd Layer ⑤

Material Alu/Polyester Tape Unbonded

Coverage $\geq 115\%$ **Sheath per Coax** ⑥

Material PE

Diameter $\varnothing 6.80 \pm 0.20$ mm

Color See color table

Inner Spacer ⑦

Material PVC White - RAL 9003

Diameter $\varnothing 2.90 \pm 0.20$ mm**Mylar spiral** ⑧

Coverage 115% over 4 coax assembly

Rip Cord 500D ⑨**Outer Jacket** ⑩

Material PVC Black - RAL 9005

Diameter $\varnothing 19.50 \pm 0.60$ mmThickness > 1.4 mm**Mass** 38 kg/km**Marking of sheath**

Printing 4 × 17PATC 1.13/4.85 Class A+ -
with
XXX : Quantity in meter still
available per reel
DDDDD : Date code

3Ghz - elbaC 104166 - DDDDD -
XXX m

Color / Process White / Ink jet

Step 1 m

Stripping force / 50 mm**Dielectric** $15 \text{ N} \leq F \leq 35 \text{ N}$ **Electrical characteristics****Impedance** $75 \pm 3 \Omega$ **Capacitance** $< 60 \text{ pF/m}$ **Max DC resistances**Inner conductor $1.8 \Omega/100\text{m}$ Outer conductor $3.7 \Omega/100\text{m}$ **Propagation velocity** 84%**Rated voltage** 30V**Insulation resistance** $> 500 \text{ M}\Omega \cdot \text{km}$ **Longitudinal attenuation**

| Frequency MHz | Max attenuation dB/100m |
|------------------|----------------------------|
| 5 | 1.2 |
| 50 | 4.1 |
| 100 | 5.6 |
| 200 | 8.2 |
| 400 | 11.5 |
| 800 | 16.7 |
| 862 | 17.5 |
| 950 | 18.4 |
| 1350 | 20.0 |
| 1750 | 25.5 |
| 2150 | 28.7 |
| 3000 | 35.0 |

Return loss

| Frequency MHz | Return loss dB/100m |
|------------------|------------------------|
| [5 - 30] | > 23 |
| [30 - 470] | > 23 |
| [470 - 862] | > 20 |
| [862 - 1000] | > 18 |

Screening attenuation

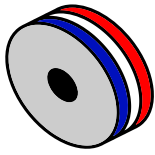
| | |
|----------------------------------|-----------------------|
| Class | A+ |
| Attenuation 30 - 1000 MHz | $\geq 100 \text{ dB}$ |

Thermal characteristics**CPR fire reaction class** F_{ca}**Rated temperature** 70°C**Meet Standards**

| | |
|---------------|-------------------------------|
| Coaxial : | EN 50017-6 |
| Environment : | European directive 2011/65/EU |
| Marking : | CE |

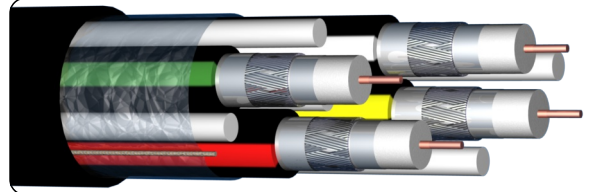
Packaging

- W1 : 100 m / Wooden Drum



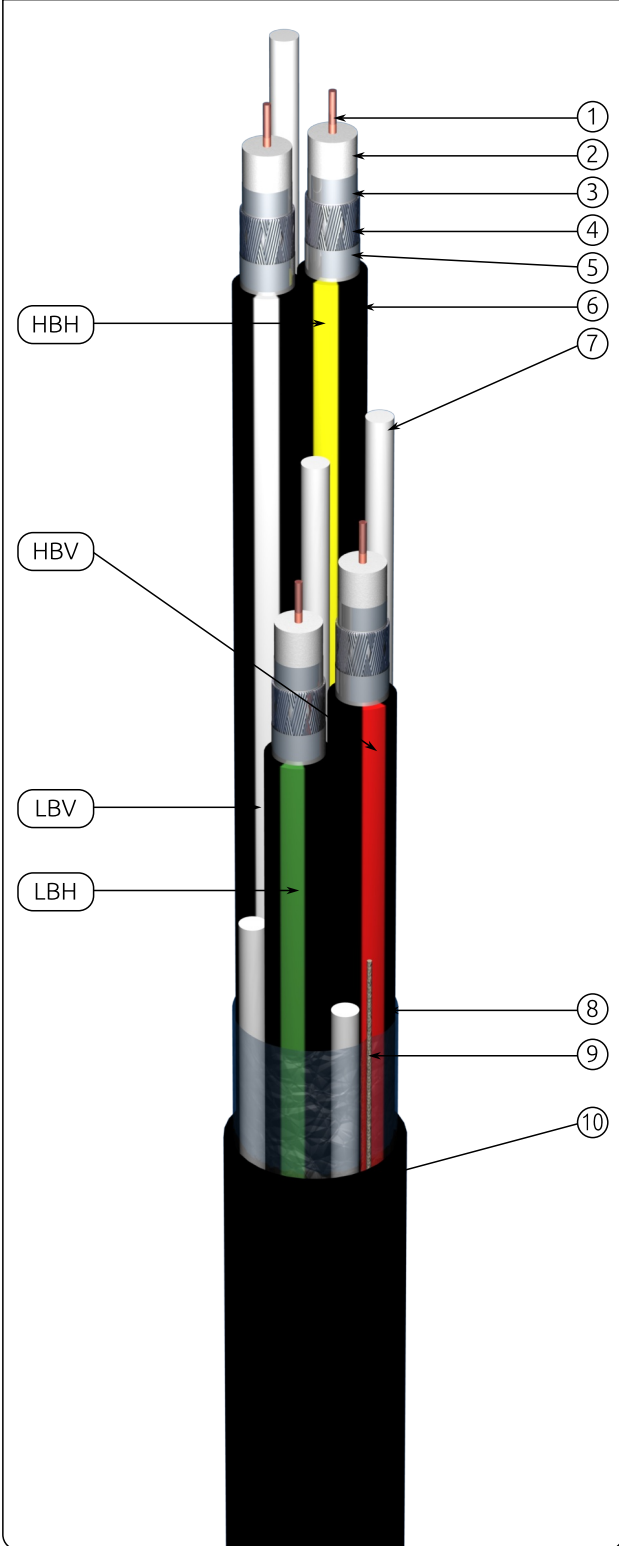
elbaC Cable

ZAC sous le Beer - RD 836
 F-27730 BUEIL (Eure - France)
 Tél : +33 (0)2 32 62 00 92
 Fax : +33 (0)2 76 01 31 80
 www.elbac.fr / info@elbac.fr



COMMENTS FOR PRODUCTION AND QUALITY CHECK

Visual



Color Table

| Coax | Colors / Color line | Marking | Color step |
|------|---------------------|---------|------------|
| LBV | Black/White | | LBV |
| LBH | Black/Green | | LBH |
| HBV | Black/Red | | HBV |
| HBH | Black/Yellow | | HBH |

White ink jet step 50 mm

Notes

Double marking at 180° with a single line

