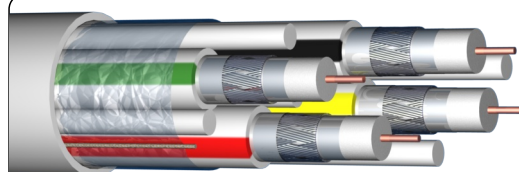
**elbaC Cable**

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	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/PET/Alu Tape Bonded
Coverage	≥ 125%

2nd Layer ④

Material	Aluminum Alloy
Braiding	16 × (7 × Ø 0.12 mm)
Coverage	72%

3rd Layer ⑤

Material	Alu/Polyester Tape Unbonded
Coverage	≥ 115%

Sheath per Coax ⑥

Material	PVC
Diameter	Ø 6.80 ± 0.20 mm
Color	See color table

Inner Spacer ⑦

Material	PVC White - RAL 9003
Diameter	Ø 2.90 ± 0.20 mm

Mylar spiral ⑧

Coverage	115% over 4 coax assembly
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Rip Cord ⑨**Outer Jacket** ⑩

Material	PVC White - RAL 9003
Diameter	Ø19.50 ± 0.60 mm
Thickness	> 1.4 mm
Mass	41 kg/km

Marking of sheath

Printing	4 × 17VAtC 1.13/4.85 Class A+ - with XXX : Quantity in meter still available per reel DDDDD : Date code
Color / Process	Yellow / Ink jet
Step	1 m

Stripping force / 50 mm

Dielectric	15 N ≤ F ≤ 35 N
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Electrical characteristics

Impedance	75 ± 3 Ω
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Capacitance	< 60 pF/m
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Max DC resistances

Inner conductor	1.8 Ω/100m
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Outer conductor	3.7 Ω/100m
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Propagation velocity	84%
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Rated voltage	30V
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Insulation resistance	> 500MΩ.km
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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	≥ 100 dB

Thermal characteristics

CPR fire reaction class	E _{ca}
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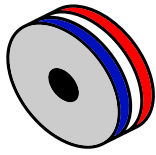
Rated temperature	80°C
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Meet Standards

Coaxial :	EN 50017-5
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	EN 50575:2014/A1:2016
Fire performance :	IEC 60332-1 / NF C 32-070 Classe C2

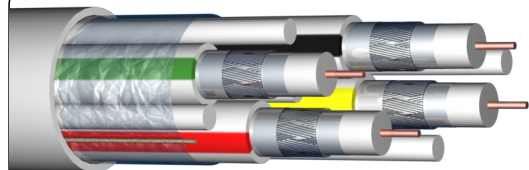
Packaging

- W1 :	100 m / Wooden Drum
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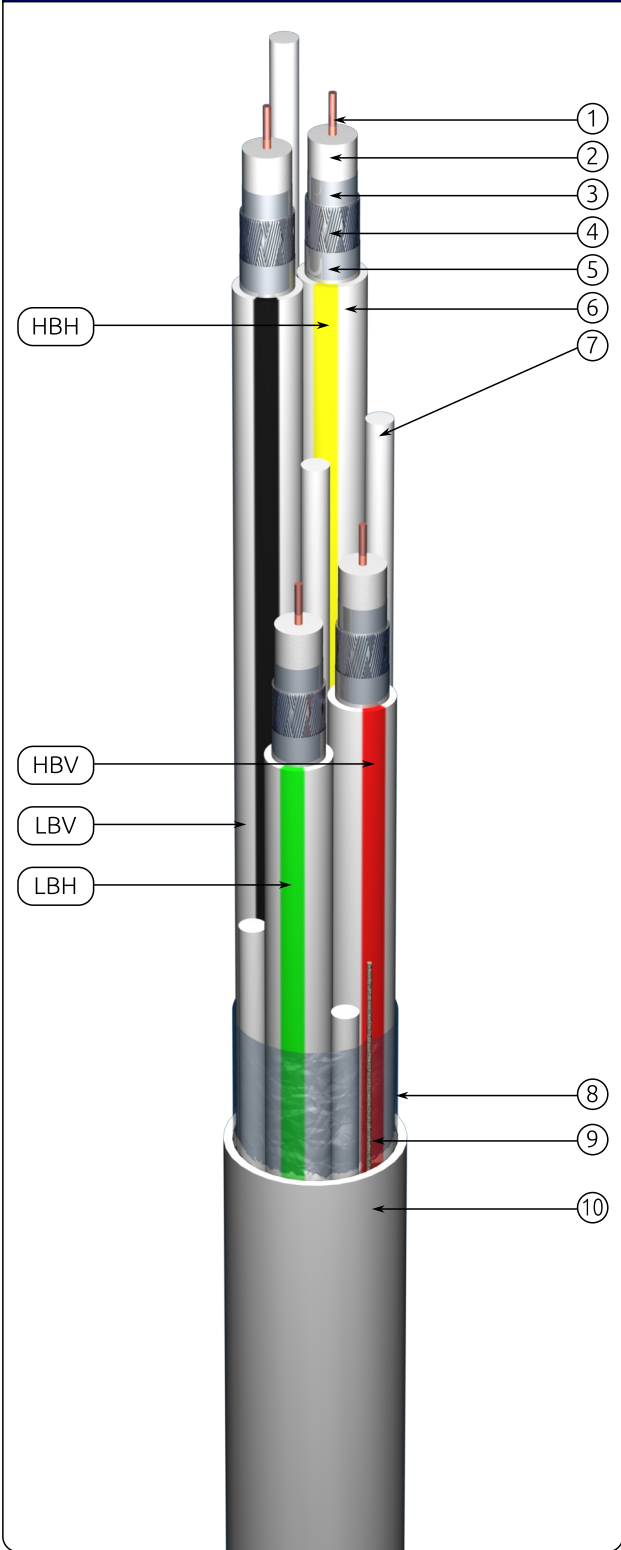
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COMMENTS FOR PRODUCTION AND QUALITY CHECK

Visual



Color Table

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

Black inkjet step 50 mm

Notes

Double marking at 180° with a single line

