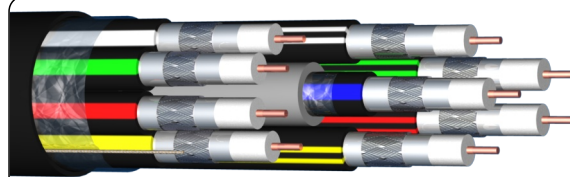
**elbaC Cable**

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**

9 coaxials

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 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
Coverage	≥ 115%

Sheath per coaxial ⑥

Material	PE Black
Diameter	Ø 6.80 ± 0.20 mm
Color	See color table page 2

Marking per coaxial

Printing	See color table page 2
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Inner spacer around black/white TTV coax ⑦

Material	PVC Grey over PET Tape
Diameter	Ø 9.80 ± 0.30 mm

Mylar on assembly ⑧

Coverage	115%
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Rip Cord ⑨

500D

Outer Jacket ⑩

Material	PVC Black - RAL 9005
Diameter	Ø 26.20 ± 0.80 mm
Thickness	> 1.4 mm

Mass	68 kg/km
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Marking on sheath

Printing	9 × 17PA _T C 1.13/4.85 Class A+ - with XXX: Quantity in meter still available per reel DDDDD: Date code
	3Ghz - CE - elbaC 108166 - DDDDD - XXX m

Color / Process	White / Ink jet
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Step	1 m
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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	1.5
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/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	F _{ca}
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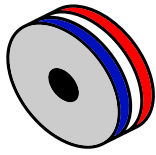
Rated temperature	70°C
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Meet Standards

Coaxial :	EN 50017-6
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	EN 50575:2014/A1:2016

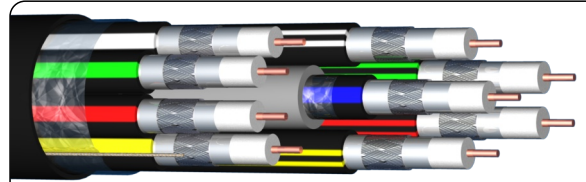
Packaging

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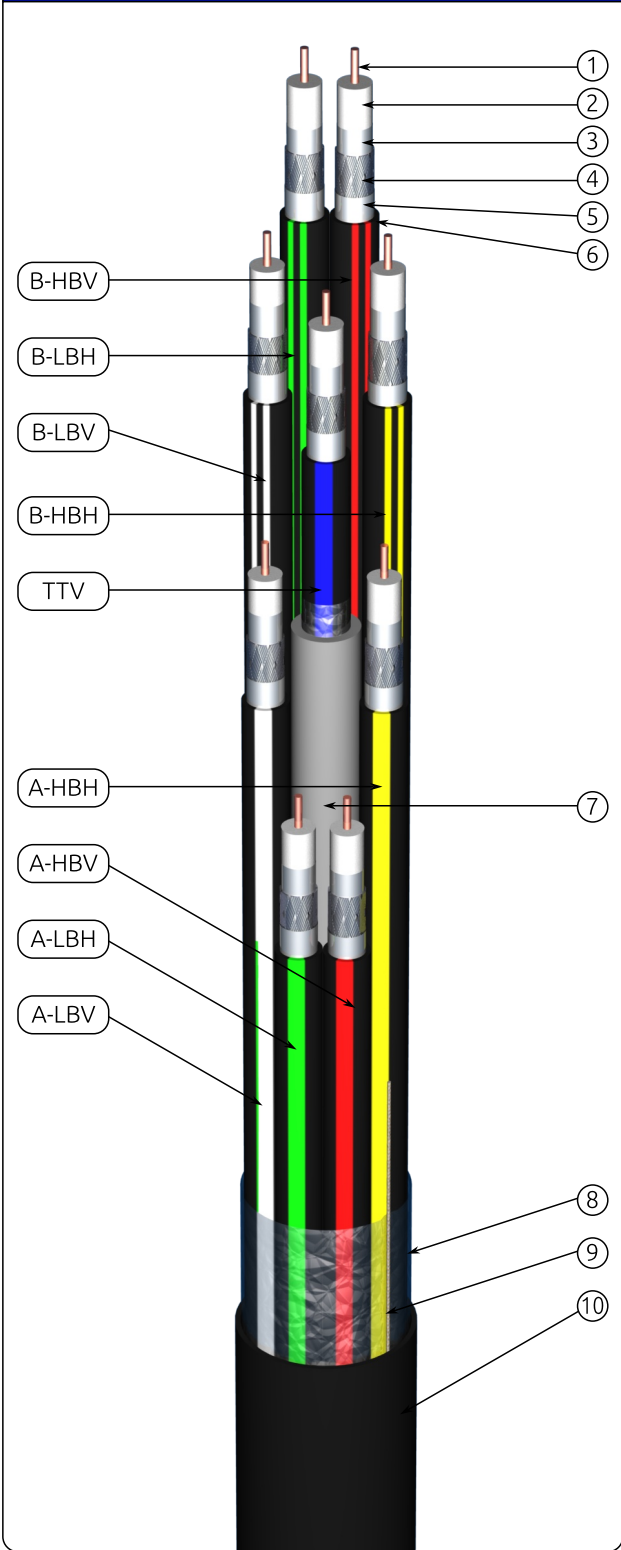
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COMMENTS FOR PRODUCTION AND QUALITY CHECK

Visual



Color Table

Coax	Colors / Color line	Marking	Color step
TTV	Black/Blue		TTV
A-LBV	Black/White I		A-LBV
A-LBH	Black/Green I		A-LBH
A-HBV	Black/Red I		A-HBV
A-HBH	Black/Yellow I		A-HBH
B-LBV	Black/White II		B-LBV
B-LBH	Black/Green II		B-LBH
B-HBV	Black/Red II		B-HBV
B-HBH	Black/Yellow II		B-HBH

White ink jet
step 50 mm

Notes

Double marking at 180° with a single or double line

