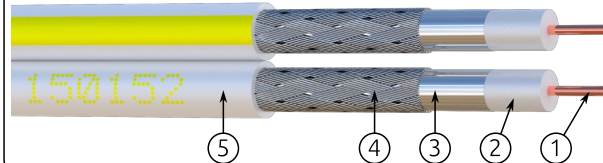
**elbaC Cable**

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**

Inner conductor ①	
Material	Annealed Copper
Diameter	$\varnothing 0.813 \pm 0.01$ mm
Dielectric ②	
Material	Gas injection PE
Color	Natural
Diameter	$\varnothing 3.50 \pm 0.10$ mm
Outer conductor	
1 st Layer ③	
Material	Alu/Polyester Tape/Alu
Coverage	$\geq 115\%$
2 nd Layer ④	
Material	Tinned Copper
Braiding	$16 \times (4 \times \varnothing 0.10$ mm)
Coverage	52%
Sheath ⑤	
Material	PVC White / White yellow line
Diameter	$2 \times \varnothing 5.00 \pm 0.20$ mm
Mass	54 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	TWIN SAT 5 - CE - elbaC 150152 - DDDDD - XXX m
Color / Process	Yellow / Ink jet
Step	1 m
Stripping force / 50 mm	
Dielectric	$15 \text{ N} \leq F \leq 35 \text{ N}$

Meet Standards

Coaxial :	EN 50117-5
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	EN 50575:2014/A1:2016 F _{ca}
Fire Performance :	IEC 60332-1 NF C 32-070 Classe C2

Notes**Electrical characteristics**

Impedance	$75 \pm 3 \Omega$
Capacitance	< 67 pF/m
Max DC resistances (20°C)	
Inner conductor	$3.6 \Omega/100\text{m}$
Outer conductor	$3.7 \Omega/100\text{m}$
Propagation velocity	82%
Rated voltage	30V
Insulation resistance (20°C)	$> 500\text{M}\Omega/\text{km}$
Longitudinal attenuation	

Frequency MHz	Max attenuation dB/100m
50	5.9
200	11.3
470	16.7
800	23.0
862	24.2
1000	26.3
1350	30.8
1750	35.6
2150	40.0

Return loss

Frequency MHz	Return loss dB/100m
[5 - 30]	> 23
[30 - 470]	> 23
[470 - 862]	> 20
[862 - 2000]	> 18

Screening attenuation

Class	B
Attenuation 1000-3000 MHz	≥ 75 dB

Thermal characteristics

CPR fire reaction class	F _{ca}
Rated temperature	80°C

Packaging

- C1 : 100m / Plastic Reel