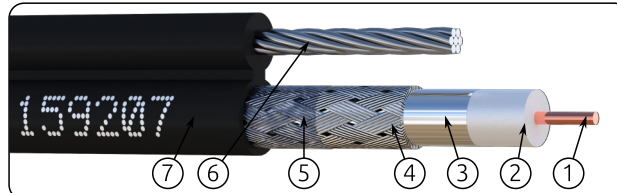
**elbaC Cable**

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	Ø 1,1 ± 0,005 mm
Dielectric ②	
Material	Cellular PE Physical
Color	Natural
Diameter	Ø 4,9 ± 0,10mm
Outer conductor	
1 st Layer ③	
Material	Thick Alu 40µm/Polyester/Alu tape
Coverage	≥ 125%
2 nd Layer ④	
Material	Tinned copper clad aluminum
Braiding	16 × (8 × Ø 0,12 mm)
Coverage	78%
Water protection	
2 nd Layer	Jelly over braiding ⑤
Messenger ⑥	
Material	Galvanized steel
Strand	7 × Ø0.85 mm
Breaking force	> 4500 N
Sheath	
1 st Layer ⑦	
Material	PE
Color	Black RAL9005
Diameter	Ø 6,95±0,15 mm + Ø5.0±0.2mm
Mass	TbD kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	iDEFINITION 110 - 75 OHMS - EXTERIEUR AUTOPORTE - CE - elbaC 159207 - DDDDD - XXX m
Color / Process	White / Ink jet
Step	1 m

Electrical characteristics

Impedance	75 ± 2 Ω
Capacitance	< 58 pF/m
Max DC resistances (20°C)	
Inner conductor	21,1 Ω/100m
Outer conductor	21 Ω/100m
Propagation velocity	84%
Rated voltage	30V
Insulation resistance (20°C)	> 500MΩ.km
Longitudinal attenuation	

Frequency MHz	Max attenuation dB/100m
5	1.5
50	4.6
100	6.5
200	9.2
400	13.0
800	18.7
1000	21.5
1350	25.1
2150	32.1
3000	39.1

Return loss

Frequency MHz	Return loss dB/100m
[5 - 1000]	> 23

Screening attenuation

Attenuation 30-1000 MHz	> 80 dB
Attenuation 1000-3000MHz	> 85 dB

Thermal characteristics

Rated temperature	70°C
--------------------------	------

Packaging

- W1 : 100m / Wooden Drum
- W5 : 500m / Wooden Drum

Meet Standards

European directive 2011/65/EU

Notes