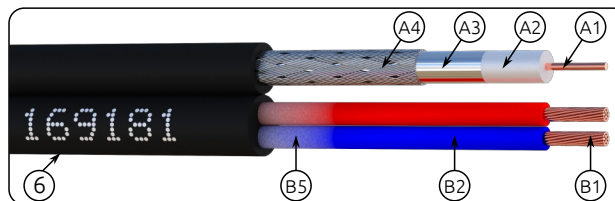
**elbaC Cable**

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		
Group		(A) (B)
<b>Inner Conductor</b>		①
Material	Bare Copper	Bare Copper
Diameter	1 × Ø0.61mm	21 × Ø0.21 mm
Section	0.29 mm <sup>2</sup>	0.75 mm <sup>2</sup>
<b>Insulation</b>		②
Material	Foamed PE	PVC - Fire ret.
Color	Natural	Blue / Red
Diameter	Ø2.70±0.10mm	Ø2.0±0.15mm
<b>Outer conductor</b>		
1 <sup>st</sup> Layer - Film		③
Material	Thick tape bonded to dielectric Alu 20µm / Polyester 15 µm / Alu 20µm	X
Diameter	Ø2.90±0.10mm	
Coverage	≥ 125%	
2 <sup>nd</sup> Layer - Braid		④
Material	Tinned copper clad aluminum	X
Braiding	16 × (6×Ø0.12mm)	
Coverage	90%	
<b>Filler</b>		⑤
Material	X	Chalk
<b>Assembly</b>		
Type	Flat cable double shotgun	
Position	Left	Right
Quantity	1 coax	2 conductors
<b>Sheath</b>		iD 2C ⑥
Material	PVC - Flam retardant C2	
Color	Black	Black
Diameter	Ø4.5±0.1 mm	Ø5.4±0.15 mm
<b>Weight</b>		
Linear mass	60 kg/km	
<b>Marking of sheath</b>		
Printing	« iDEFINITION 61 + 2×0.75 - elbaC with XXX : Quantity in meter still available per reel DDDDD : Date code 169181 - DDDDD - XXX m »	
Color / Process	White / Pigment ink jet	
Step	1m	
<b>Stripping force / 50 mm (F)</b>		
Dielectric	15 N ≤ F ≤ 35 N	

Electrical characteristics		(A)
Impedance	75 ± 2 Ω/km	
Capacitance	< 58 pF/m	
<b>Max DC Resistance at 20°C</b>		
Inner conductor	65 Ω/km	
Outer conductor	17.2 Ω/km	
Propagation velocity	81%	
Rated voltage	30 V	
Insulation resistance at 20°C	> 500 MΩ/km	
<b>Longitudinal attenuation</b>		

Frequency MHz	Max attenuation dB/100m
5	2.4
30	5.4
100	10.5
300	17.9
500	23.1
1000	32.8
2250	49.8
3000	59.3

Return loss	
Frequency MHz	Return loss dB
[ 30 - 1000 ]	> 23

Screening attenuation	
Attenuation 30 - 2000 MHz	> 100 dB
Attenuation 2000 - 3000 MHz	> 100 dB

Electrical characteristics		(B)
Max DC Resistance	< 24 Ω/km	
Rated voltage U0/U	450 / 750V	
Insulation resistance 20°C	> 2000MΩ.km	

Thermal characteristics	
CPR fire reaction class	E <sub>ca</sub>
Rated temperature	80°C

Packaging	
- R2	: 200m Easy Reel Box
- W5	: 500m / Wooden Drum

Notes	
Suitable elbaC connectors : 953181 / 970181	

Meet Standards	
CE marking European directive 2011/65/EU - EN 50575:2014/A1:2016	