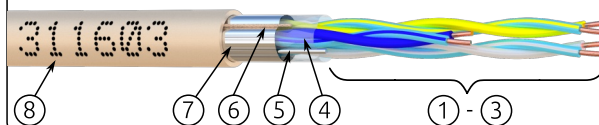
**elbaC Cable**

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 - ③

Material	Annealed copper
Diameter	Ø 0.48 mm
Area	0.18 mm <sup>2</sup>

**Insulation**

Material	HDPE
Diameter	Ø 0.85 mm

**Assembly**

3 pairs	
Colors	See color table
Lay length	

**Mylar spiral** ④

Coverage	90 %
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**Drain wire** ⑤

Material	Tinned copper
Diameter	Ø 0.45 ± 0.008 mm

**Screen** ⑥

Material	Alu/PET (40µ/12µ)
Coverage	≥ 125 %

**Rip Cord** ⑦

Material	200D
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**Sheath** ⑧

Material	PVC Ivory Flame retardant IEC 332-1 (C2)
Diameter	Ø 5.00 mm

Mass	34 kg/km
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**Marking of sheath**

Printing	LY6ST/SYT+ 3P AWG24 - elbaC with XXX : Quantity in meter still available per reel DDDDD : Date code
	311603 - DDDDD - XXX m

Color / Process	Black / Ink jet
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Step	1 m
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**Notes****Electrical characteristics**

Impedance	100 ± 20 Ω
Mutual paires capacitance	70 nF/km
Max conductor DC resistance	96 Ω/km
Propagation velocity ratio	65%
Rated voltage	200V
Insulation resistance 20°C	> 500MΩ.km

**Performances**

Frequency MHz	Max attenuation dB/100m
1.00	3.00

Frequency MHz	NEXT dB
2.00	40.00

**Color table**

Pairs	Colors			Lay Length (mm)
	A		B	
①	Light blue/White		White	20
②	Light blue/Dark blue		Dark blue	23
③	Light blue/Yellow		Yellow	26

Based on NF C93-529 + color line on light blue (A)

**Meet Standards**

Fire performance :	IEC 60332-1
Environment :	European directive 2011/65/EU
Marking :	
Fire reaction :	EN 50575:2014/A1:2016

**Thermal characteristics**

CPR fire reaction class	E <sub>ca</sub>
Rated temperature	-15 / 70°C

**Mechanical characteristics**

Static ( d = sheath diameter )	r = 6 × d
Dynamic ( d = sheath diameter )	r = 12 × d

**Packaging**

- B1 : 100m / Carton Box