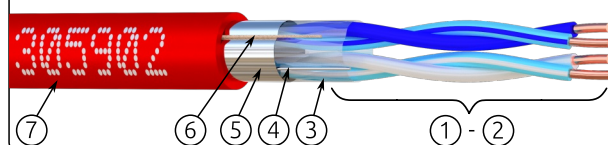
**elbaC Cable**

ZAC sous le Beer - RD 836  
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**Construction****Inner conductor** ① - ②

Material	Annealed copper
Diameter	Ø 0.78 mm
Area	0.48 mm <sup>2</sup>

**Insulation**

Material	HDPE
Diameter	Ø 1.30 mm

**Assembly**

2 pairs	
Colors	See color table
Lay length	

**Mylar spiral** ③

Coverage	≥ 125%
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**Drain wire** ④

Material	Tinned copper
Diameter	Ø 0.45 ± 0.008 mm

**Screen** ⑤

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

**Rip Cord** ⑥

Material	200D
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**Sheath** ⑦

Material	PVC Red Flame retardant IEC 332-1 (C2)
Diameter	Ø 6.20 mm

Mass	50 kg/km
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**Marking of sheath**

Printing	LY9ST/SYT+ 2P AWG24 - elbaC with XXX : Quantity in meter still available per reel DDDDD : Date code
Color / Process	Black / Ink jet
Step	1 m

**Notes****Electrical characteristics**

Impedance	100 ± 20 Ω
Mutual paires capacitance	70 nF/km
Max conductor DC resistance	39 Ω/km
Propagation velocity ratio	65%
Rated voltage	200V
Insulation resistance 20°C	> 500MΩ.km

**Performances**

Frequency MHz	Max attenuation dB/100m	NEXT dB
0.001	0.200	70
0.040	0.350	66
0.150	0.850	57
0.300	1.300	53
1.000	2.500	45
2.000	3.500	40

**Color table**

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

According to NF C93-529

**Meet Standards**

Fire performance :	EN 50575:2014/A1:2016
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	IEC 60332-1 NF C 32-070 Classe C2

**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
- W5	: 500m / Wooden Drum