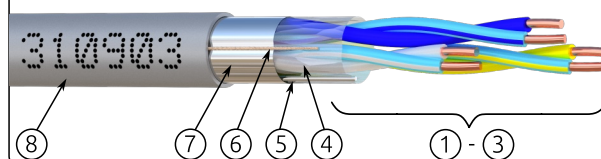
**elbaC Cable**

ZAC sous le Beer - RD 836  
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**Construction****Inner conductor** ① - ③

Material	Annealed copper
Diameter	Ø 0.78 ± 0.008 mm
Area	0.48 mm <sup>2</sup>

**Insulation**

Material	HDPE
Diameter	Ø 1.30 mm

**Assembly**

3 pairs	
Colors	See color table
Lay length	

**Mylar spiral** ④

Coverage	≥ 115%
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**Drain wire** ⑤

Material	Tinned Copper
Diameter	Ø 0.45 ± 0.008 mm

**Screen** ⑥

Material	Aluminium/PET (40µ/12µ)
Coverage	≥ 115%

**Rip Cord** ⑦

	200D
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**Sheath** ⑧

Material	PVC Grey Flame retardant IEC 332-1
Diameter	Ø 6.60 ± 0.15 mm

**Mass**

	65 kg/km
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**Marking of sheath**

Printing	LY9ST/SYT+ 3P AWG20 - <b>CE</b> - 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	White	20
②	Light blue/Dark blue	Dark blue	Dark blue	23
③	Light blue/Yellow	Yellow	Yellow	26

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

**Meet Standards**

Environment :	European directive 2011/65/EU
Marking :	<b>CE</b>
Fire reaction :	EN 50575:2014/A1:2016
Fire performance :	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
- R2	: 250m / Easy Reel Box
- W3	: 300m / Wooden Drum
- W5	: 500m / Wooden Drum