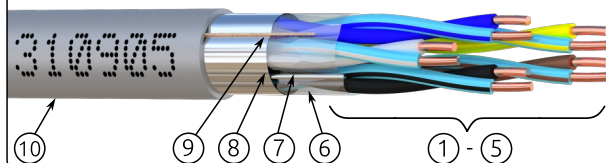
**elbaC Cable**

ZAC sous le Beer - RD 836
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**Construction****Inner conductor** ① - ⑤

Material	Annealed copper
Diameter	Ø 0,78 ± 0,008 mm
Area	0,48 mm ²

Insulation

Material	HDPE
Diameter	Ø 1,30 mm

Assembly

5 pairs	
Colors	See color table
Lay length	

Mylar spiral ⑥

Coverage	90 %
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Drain wire ⑦

Material	Tinned copper
Diameter	Ø 0,45 ± 0,008 mm

Screen ⑧

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

Rip Cord ⑨**Sheath** ⑩

Material	PVC Grey Flame retardant IEC 332-1
Diameter	Ø 7,80 ± 0,15 mm

Mass	92 kg/km
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Marking of sheath

Printing	LY9ST/SYT+ 5P AWG20 - CE - 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
④	Light blue/Brown	Brown	Brown	29
⑤	Light blue/Black	Black	Black	32

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 :	CE
Fire reaction :	EN 50575:2014/A1:2016

Thermal characteristics

CPR fire reaction class	E _{ca}
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