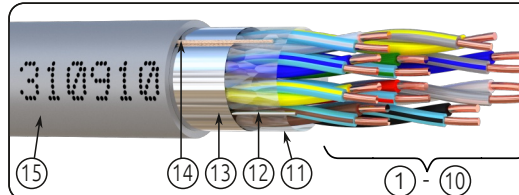
**elbaC Cable**

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 - ⑩

Material	Annealed copper
Diameter	Ø 0.78 ± 0.008 mm
Area	0.48 mm ²

Insulation

Material	HDPE
Diameter	Ø 1.30 mm

Assembly

10 pairs

Colors	See color table
Lay length	

Mylar spiral ⑪

Coverage	≥ 95 %
----------	--------

Drain wire ⑫

Material	Tinned copper
Diameter	Ø 0.45 ± 0.008 mm

Screen ⑬

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

Rip Cord ⑭

	200D
--	------

Sheath ⑮

Material	PVC Grey Flame retardant IEC 332-1
Diameter	Ø 9.8 ± 0.20 mm

Mass	165 kg/km
------	-----------

Marking of sheath

Printing	LY9ST / SYT+ 10P AWG20 - elbaC with XXX : Quantity in meter still available per reel DDDDD : Date code
	310910 - DDDDD - XXX m

Color / Process	Black / Ink jet
-----------------	-----------------

Step	1 m
------	-----

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	
	A	B
①	Light blue	White
②	Light blue	Dark blue
③	Light blue	Yellow
④	Light blue	Brown
⑤	Light blue	Black
⑥	Light blue	Red
⑦	Light blue	Green
⑧-⑩	Grey + line	White to yellow

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

- W1	: 100m / Wooden Drum
- W5	: 500m / Wooden Drum

Notes

RoHS European directive