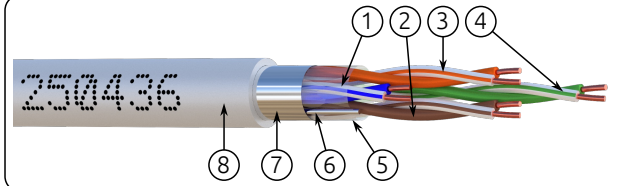
**elbaC Cable**

ZAC sous le Beer - RD 836  
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www.elbac.fr / info@elbac.fr

**Construction****Inner conductor** ①-④

Material	Annealed Copper
Diameter	AWG24 / $\varnothing 0.50 \pm 0.008$ mm

**Insulation** ①-④

Material	PEHD
Diameter	$\varnothing 0.95$ mm

**Assembly**

4 unshielded pairs

①		Blue / White blue
②		Brown / White brown
③		Orange / White orange
④		Green / White green

**Mylar spiral** ⑤

Coverage	$\geq 125\%$
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**Drain wire** ⑥

Material	Tinned Copper
Diameter	$\varnothing 0.50 \pm 0.008$ mm

**Screen** ⑦

Material	Aluminium / PET (40 $\mu$ /12 $\mu$ )
Diameter	$\geq 125\%$

**Sheath** ⑧

Material	LSZH
Color	Grey RAL 7035
Diameter	$\varnothing 6.00 \pm 0.15$ mm

**Weight**

Linear mass	42 kg/km
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**Marking of sheath**

Printing	ISO 11801 - FTP CAT 5E 4 PR 24 with XXX: Quantity in meter still available per reel DDDDD: Date code
	AWG LSZH EIA/TIA 568A - elbaC 250436 - DDDDD - XXX m
Color / Process	Black / Ink jet
Step	1 m

**Meet Standards**

Electrical :	EIA/TIA 568A - ISO/IEC 11801
Fire performance :	IEC 60332-1 NF C 32-070 Classe C2
Fire reaction :	EN 50575:2014/A1:2016
Smoke density :	IEC 61034
Halogen free :	IEC 60754
Environment :	European directive 2011/65/EU
Marking :	CE

**Electrical characteristics**

Impedance	$100 \pm 15 \Omega$
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Max. conductor DC resistance	94.8 $\Omega$ /km
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Propagation velocity	65%
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**Performances**

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
0.77	1.82	67.0	22.60
1.00	2.00	65.3	23.10
4.00	4.10	56.3	23.00
8.00	5.80	51.8	24.50
10.00	6.50	50.3	25.00
16.00	8.20	47.3	25.00
20.00	9.30	45.8	25.00
25.00	10.23	44.3	24.20
31.25	11.71	42.9	23.30
62.50	17.25	38.4	20.70
100.00	22.00	35.3	19.24

Frequency MHz	ACR dB	ELFEXT dB	PS ELFEXT dB
0.77	64.0	66.0	63.0
1.00	62.3	63.8	60.8
4.00	53.3	51.7	48.7
8.00	48.8	45.7	42.7
10.00	47.3	43.8	40.8
16.00	44.3	39.7	36.7
20.00	42.8	37.7	34.7
25.00	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.50	35.4	27.8	24.8
100.00	32.3	23.8	20.8

**Thermal characteristics**

CPR fire reaction class	E <sub>ca</sub>
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Rated temperature	60°C
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**Packaging**

- R3 : 305m / Easy Reel Box

**Notes**