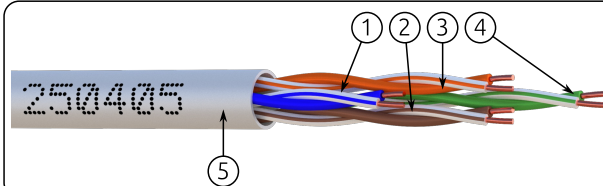
**elbaC Cable**

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**

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

**Insulation**

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

**Sheath** ⑤

Material	LSZH
Color	Grey RAL 7035
Diameter	$\varnothing$ 5.20 $\pm$ 0.20 mm

**Weight**

Linear mass	34 kg/km
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**Marking of sheath**

Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	ISO 11801 - UTP CAT 5E LSZH EIA/TIA 568A - elbaC 250405 - DDDDD - XXX m
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Color / Process	Black / Ink jet
Step	1 m

**Electrical characteristics**

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

**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

**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 :	<b>CE</b>

**Thermal characteristics**

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

**Packaging**

- G1	: 100m / Shrinked PE bag
- R3	: 305m / Easy Reel Box
- W5	: 500m / Wooden Drum

**Notes**