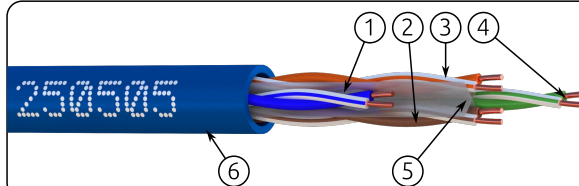
**elbaC Cable**

ZAC sous le Beer - RD 836
F-27730 BUEIL (Eure - France)
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Fax : +33 (0)2 76 01 31 80
www.elbac.fr / info@elbac.fr

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

Material	Annealed copper
Diameter	AWG23 / $\varnothing 0.53 \pm 0.008$ mm

Insulation ①-④

Material	PEHD
Diameter	$\varnothing 1.00$ mm

Assembly

4 unshielded twisted pairs

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

Filler ⑤

Type	Cross member
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Sheath ⑥

Material	LSZH Blue RAL 5005
Thickness	≥ 0.20 mm
Diameter	$\varnothing 6.00 \pm 0.15$ mm

Weight

Linear mass	50 kg/km
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Marking of sheath

Printing	ISO 11801 - U/UTP CAT 6 LSZH
with XXX : Quantity in meter still available per reel DDDDD : Date code	EIA/TIA 568A - CE - elbaC 250505 - DDDDD - XXX m

Color / Process	Black / Ink jet
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Step	1 m
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Meet Standards

Electrical : EIA/TIA 568A
ISO/IEC 11801

Environment : **CE**

Marking : European directive 2011/65/EU

Fire reaction : EN 50575:2014/A1:2016

Electrical characteristics

Impedance	$100 \pm 15 \Omega$
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Max. conductor DC resistance	70.4 Ω /km
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Propagation velocity	65%
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Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
1.00	2.0	74.3	20.0
4.00	3.8	65.3	23.0
8.00	5.3	60.8	24.5
10.00	6.0	59.3	25.0
16.00	7.8	56.2	25.0
20.00	8.5	54.8	25.0
25.00	9.5	53.3	24.3
31.25	10.7	51.9	23.3
62.50	15.4	47.4	21.5
100.00	19.8	44.3	20.1
150.00	24.7	41.7	18.9
200.00	29.0	39.8	18.0
250.00	32.8	38.3	17.3

Frequency MHz	ACR dB	ELFEXT dB	PS ELFEXT dB
1.00	72.0	73.2	67.8
4.00	61.0	63.3	55.8
8.00	55.0	58.8	49.7
10.00	53.0	57.3	47.8
16.00	49.0	54.2	43.7
20.00	46.0	52.8	41.8
25.00	44.0	51.3	39.8
31.25	41.0	49.9	37.9
62.50	32.0	45.4	31.9
100.00	25.0	42.3	27.8
150.00	16.9	39.7	24.3
200.00	10.8	37.8	21.8
250.00	5.5	36.3	19.8

Thermal characteristics

CPR fire reaction class	E _{ca}
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Rated temperature	60°C
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Packaging

- R3	: 305m / Easy Reel Box
- W5	: 500m / Wooden Drum

Notes

Suitable for POE IP CCTV