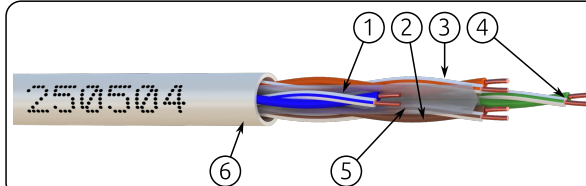
**elbaC Cable**

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

**Construction****Inner conductor**

Material	Annealed copper
Diameter	$\varnothing 0.44 \pm 0.01$ mm

**Insulation**

Material	HDPE
Diameter	$\varnothing 0.78 \pm 0.08$

**Assembly**

4 twister pairs

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

Filler	Cross member	⑤
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**Sheath**

Material	LSZH Ivory RAL 9002	⑥
Diameter	$\varnothing 4.6 \pm 0.2$ mm	

**Marking of sheath**

Printing	UTP CAT6 4PR - 70m MAX - <b>CE</b> - with XXX : Quantity in meter still available per reel DDDDD : Date code
Color / Process	Black ink / Ink jet
Step	1 m

**Meet Standards**

European directive	2011/65/EU
Electrical :	EIA/TIA 568A (70m max) ISO/IEC 11801 (70m max)
Fire performance :	IEC 60332-1
Smoke density :	IEC 61034
Halogen free :	IEC 60754

**Electrical characteristics**

Impedance	1 - 100MHz	$100 \pm 15 \Omega$
	100 - 250 MHz	$100 \pm 20 \Omega$

Max. conductor DC resistance	< 132.4 $\Omega$ /km
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Propagation velocity	70%
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**Performances**

Frequency MHz	Max attenuation dB/70m	NEXT dB	RL dB
4.0	3.8	66.3	23.0
10.0	6.0	60.3	25.0
20.0	8.5	55.8	25.0
62.5	15.5	48.4	21.5
100.0	19.9	45.3	20.1
250.0	33.0	39.3	17.3

Frequency MHz	ACR-F dB/70m	PS NEXT dB	PS ACR-F dB/70m
4.0	56.0	63.3	53.0
10.0	48.0	57.3	45.0
20.0	42.0	52.8	39.0
62.5	32.1	45.4	29.1
100.0	28.0	42.3	25.0
250.0	20.0	36.3	17.0

**Thermal characteristics**

CPR fire reaction class	$E_{ca}$
Rated temperature	60°C

**Packaging**

-R3 :	305m / Wooden easy reel box
-W5 :	500m / Wooden drum

**Notes**