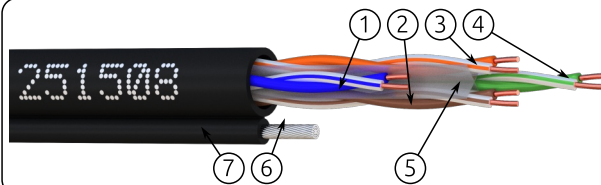
**elbaC Cable**

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

**Construction****Inner conductor**

Material	Annealed copper
Diameter	$\varnothing 0.52 \pm 0.01$ mm

Insulation

Material	HDPE
Diameter	$\varnothing 0.93 \pm 0.10$

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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Ground wire ⑥

Material	Tinned copper
Construction	32 x $\varnothing 0.20 \pm 0.008$ mm
Section	1 mm ²

Sheath ⑦

Material	ODLSZH Black RAL 9005
Color	Black RAL 9005
Thickness [UTP]	≥ 0.4 mm
Diameter	$\varnothing 6.0 \pm 0.2 + \varnothing 2.4 \pm 0.2$ mm
Mass	51 kg/km

Marking of sheath

Printing with XXX: Quantity in meter still available per reel DDDDD: Date code	ISO 11801 - UTP CAT6 4PAIRS TIA/EIA 568A + 1 G 1.0 - ODLSZH - INDOOR /OUTDOOR - elbaC 251508 - DDDDD - XXX m
Color / Process	White pigment 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

Notes

Special sheath suitable for indoor and outdoor use.
Water and UV resistant, Flam retardant, Halogen Free.
Suitable to connect outdoor wireless IP antenna.

Electrical characteristics [UTP]

Impedance	1 - 100MHz	100 \pm 15 Ω
	100- 250 MHz	100 \pm 20 Ω
	250 -500 MHz	100 \pm 25 Ω

Max. conductor DC resistance	< 87.6 Ω /km
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Propagation velocity	65%
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Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
1.0	2.0	74.3	20.0
4.0	3.8	65.3	23.0
10.0	6.0	59.3	25.0
16.0	7.8	56.2	25.0
31.25	10.7	51.9	23.3
62.5	15.4	47.4	21.5
100.0	19.8	44.3	20.1
150.0	24.7	41.7	18.9
250.0	32.8	38.3	17.3

Frequency MHz	ACR dB	ELFEXT dB	PS ELFEXT dB
1.0	72.0	73.2	67.8
4.0	61.0	63.3	55.8
10.0	53.0	57.3	47.8
16.0	49.0	54.2	43.7
31.25	41.0	49.9	37.9
62.5	32.0	45.4	31.9
100.0	25.0	42.3	27.8
150.0	16.9	39.7	24.3
250.0	5.5	36.3	19.8

Electrical characteristics [1G1.0]

CPR fire reaction class	F _{ca}
Max. conductor DC resistance	< 18.5 Ω /km

Thermal characteristics

Rated temperature	60°C
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Packaging

- W5 : 500m / Wooden drum