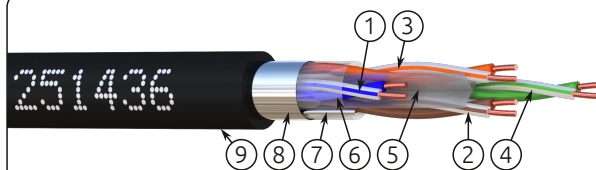
**elbaC Cable**

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** ① - ④

Material Annealed copper

Diameter $\varnothing 0.50 \pm 0.008$ 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

Filler ⑤

Type Cross member

Mylar spiral ⑥Coverage ≥ 125 %**Drain wire** ⑦Material Tinned copper $\varnothing 0.50 \pm 0.008$ mm**Screen** ⑧Material Aluminium / PET (40 μ /12 μ)Coverage ≥ 125 %**Sheath** ⑨

Material ODLSZH Black RAL 9005

Diameter $\varnothing 6.50 \pm 0.15$ mm**Weight**

Linear mass 41 kg/km

Marking of sheath

Printing ISO 11801 - F/UTP CAT5E 4 PR
with
XXX : Quantity in meter still
available per reel
DDDDD : Date code
24 AWG ODLSZH
INTÉRIEUR/EXTÉRIEUR - TIA/EIA
568A - elbaC 251436 - DDDDD -
XXX m

Color / Process White / 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

Smoke density : IEC 61034

Halogen free : IEC 60754

Environment : European directive 2011/65/EU

Marking : **CE****Electrical characteristics**Impedance 1 - 100MHz $100 \pm 15 \Omega$ Max. conductor DC resistance 94.8 Ω /km

Propagation velocity 65%

Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
0.770	1.82	67.0	22.60
1.000	2.00	65.3	23.10
4.000	4.10	56.3	23.00
8.000	5.80	51.8	24.50
10.000	6.50	50.3	25.00
16.000	8.20	47.3	25.00
20.000	9.30	45.8	25.00
25.000	10.23	44.3	24.20
31.250	11.71	42.9	23.30
62.500	17.25	38.4	20.70
100.000	22.00	35.3	19.24

Frequency MHz	ACR dB	ELFEXT dB	PS ELFEXT dB
0.770	64.0	66.0	63.0
1.000	62.3	63.8	60.8
4.000	53.3	51.7	48.7
8.000	48.8	45.7	42.7
10.000	47.3	43.8	40.8
16.000	44.3	39.7	36.7
20.000	42.8	37.7	34.7
25.000	41.3	35.8	32.8
31.250	39.9	33.9	30.9
62.500	35.4	27.8	24.8
100.000	32.3	23.8	20.8

Thermal characteristicsCPR fire reaction class E_{ca}

Rated temperature 60°C

Mechanical characteristics

Bending radius - installed 50 mm

Bending radius - during installation 60 mm

Packaging

- R3 : 250m / Easy Reel Box

NotesSpecial sheath suitable for indoor and outdoor use.

Water and UV resistant

Flam retardant

Halogen Free