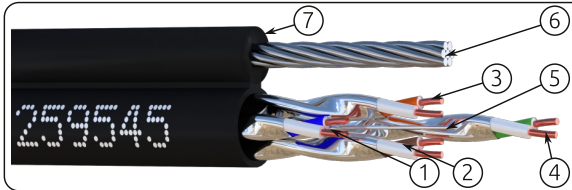
**elbaC Cable**

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

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

Material Annealed copper

Diameter  $\varnothing 0.56 \pm 0.01$  mm**Insulation** ① - ④



Material Skin/Foam/Skin HDPE

Diameter  $\varnothing 1.33 \pm 0.10$  mm**Screening** ① - ④

Material Alu/PET per pair (Alu side out)

**Assembly**

4 shielded twister pairs

①   Blue / white②   Brown / white③   Orange / white④   Green / white**Drain wire** ⑤Material Tinned copper  $\varnothing 0.4 \pm 0.01$  mm**Messenger** ⑥

Material Galvanized steel


Strand  $7 \times \varnothing 0.85$  mmBreaking force  $> 4500$  N**Sheath** ⑦

Material PE Black

Thickness  $\geq 0.5$  mmDiameter  $\varnothing 7.4 \pm 0.2$  mm +  $\varnothing 5.0 \pm 0.2$  mm**Weight**

Linear mass 46.1 kg/km

**Marking of sheath**

Printing U/FTP CAT6A 500MHz  
with  
XXX : Quantity in meter still  
available per reel  
DDDDD : Date code  
EXTERIEUR AUTOPORTE - 4  
PAIRS AWG23 - ISO 11801 -  
TIA/EIA 568B -  - elbaC  
259545 - DDDDD - XXX m

Color / Process White pigment ink / Ink jet

Step 1 m

**Meet Standards**

Electrical : EIA/TIA 568A  
ISO/IEC 11801

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	$100 \pm 20 \Omega$
	250 -500 MHz	$100 \pm 25 \Omega$

Max. conductor DC resistance  $< 79.8 \Omega/\text{km}$ 

Propagation velocity 76%

**Performances**

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
1.0	2.1	75.3	20.0
4.0	3.8	66.3	23.0
10.0	5.9	60.3	25.0
16.0	7.5	57.2	25.0
31.25	10.5	52.9	23.6
62.5	15.0	48.4	21.5
100.0	19.1	45.3	20.1
250.0	31.8	39.3	17.3
500.0	45.3	34.8	17.3

Frequency MHz	PS NEXT dB	ELFEXT dB	PS ELFEXT dB
1.0	72.3	68.0	65.0
4.0	63.3	56.0	53.0
10.0	57.3	48.0	45.0
16.0	54.2	43.9	40.9
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100.0	42.3	28.0	25.0
250.0	36.3	20.0	27.0
500.0	31.8	14.0	11.0

**Thermal characteristics**Rated temperature  $60^\circ\text{C}$ **Mechanical characteristics**

Bending radius - installed 50 mm

Bending radius - during installation 60 mm

**Packaging**

- W1 : 100m / Wooden drum

- W5 : 500m / Wooden drum

**Notes**

- W1 : 100m / Wooden drum

- W5 : 500m / Wooden drum