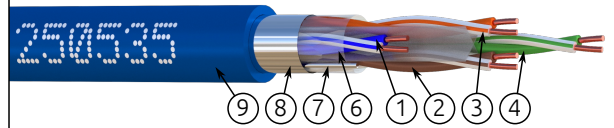
**elbaC Cable**

ZAC sous le Beer - RD 836  
 F-27730 BUEIL (Eure - France)  
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**Construction****Inner conductor** ①-④

Material	Annealed copper
Diameter	Ø 0.52 ± 0.008 mm

**Insulation** ①-④

Material	HDPE
Diameter	Ø 1.03 mm ± 0.1 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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**Mylar spiral** ⑥

Coverage	≥ 115%
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**Drain wire** ⑦

Material	Tinned copper Ø 0.4 ± 0.01 mm
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**Screen** ⑧

Material	Aluminium / PET (40µ/12µ)
Coverage	≥ 115%

**Sheath** ⑨

Material	LSZH Blue RAL 5005
Thickness	Average ≥ 0.70 mm
Diameter	Ø 7.20 ± 0.20 mm

**Weight**

Linear mass	46 kg/km
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**Marking of sheath**

Printing	ISO 11801 - F/UTP CAT6 350 MHz with XXX : Quantity in meter still available per reel DDDDD : Date code
Color / Process	White pigment ink / Ink jet
Step	1 m
	4 PR TIA/EIA 568A - elbaC 250535 - DDDDD - XXX m

**Meet Standards**

Electrical :	EIA/TIA 568A - ISO/IEC 11801
Fire performance :	IEC 60332-1 NF C 32-070 Classe C2
Fire reaction :	EN 50575:2014/A1:2016 D <sub>ca</sub>
Smoke density :	IEC 61034
Halogen free :	IEC 60754
Environment :	European directive 2011/65/EU
Marking :	CE

**Electrical characteristics**

Impedance	1 - 100MHz	100 ± 15 Ω
	100 - 250 MHz	100 ± 20 Ω
	250 - 350 MHz	100 ± 25 Ω

Max. conductor DC resistance	< 91.2 Ω/km
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Propagation velocity	70%
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**Performances**

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
4.00	3.8	66.3	23.0
10.00	6.0	60.3	25.0
16.00	7.6	57.2	25.0
20.00	8.5	55.8	25.0
31.25	10.7	52.9	23.6
62.50	15.5	48.4	21.5
100.00	19.9	45.3	20.1
200.00	29.1	40.8	18.0
250.00	33.0	39.3	17.3
350.00	40.0	37.1	17.3

Frequency MHz	PS NEXT dB	ELFEXT dB	PS ELFEXT dB
4.00	63.3	56.0	53.0
10.00	57.3	48.0	45.0
16.00	54.2	43.9	40.9
20.00	52.8	42.0	39.0
31.25	49.9	38.1	35.1
62.50	45.4	32.1	29.1
100.00	42.3	28.0	25.0
200.00	37.8	22.0	19.0
250.00	36.3	20.0	17.0
350.00	34.1	17.1	14.1

**Thermal characteristics**

CPR fire reaction class	D <sub>ca</sub> -s2,d1,a1
Rated temperature	80°C

**Mechanical characteristics**

Bending radius - installed	50 mm
Bending radius - during installation	60 mm

**Packaging**

- W1	: 100m / Wooden Drum
- R3	: 305m / Easy Reel Box
- W5	: 500m / Wooden Drum
- WA	: 1000m / Wooden Drum

**Notes**