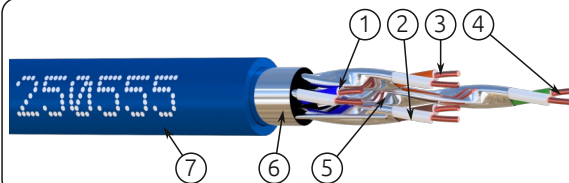
**elbaC Cable**

ZAC sous le Beer - RD 836
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**Construction**

Inner conductor ①-④	
Material	Annealed copper
Diameter	Ø 0.55 ± 0.01 mm

Insulation ①-④	
Material	Skin/Foam/Skin HDPE
Diameter	Ø 1.35 ± 0.10 mm

Pairs screening ①-④	
Material	Alu/PET per pair ≥ 115% (Alu out)

Assembly

4 shielded twister pairs

①		Blue / white
②		Brown / white
③		Orange / white
④		Green / white

Drain wire ⑤	
Material	Tinned copper Ø 0.4 ± 0.01 mm

Global screening ⑥	
Material	Alu/PET coverage ≥ 115% (Alu in)

Sheath ⑦	
Material	LSZH Blue RAL 5005
Thickness	≥ 0.5 mm
Diameter	Ø 7.4 ± 0.3 mm

Weight

Linear mass	47.5 kg/km
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Marking of sheath

Printing	F/FTP CAT6A 650MHz - 4 PAIRS
with XXX : Quantity in meter still available per reel DDDD : Date code	AWG23 - ISO 11801 - TIA/EIA 568B - elbaC 250555 - DDDDD - XXX m
Color / Process	White pigment ink / Ink jet 1 m

Meet Standards

Electrical :	EIA/TIA 568A - ISO/IEC 11801
Fire performance :	IEC 60332-1-2 NF C 32-070 Classe C2
Fire reaction :	EN 50575:2014/A1:2016
Smoke density :	IEC 61034-2
Halogen free :	IEC 60754-2
Environment :	European directive 2011/65/EU
Marking :	CE

Packaging

- W1 :	100m / Wooden drum
- R3 :	305m / Easy Reel Box
- W5 :	500m / Wooden drum

Electrical characteristics

Impedance	1 - 100MHz	100 ± 15 Ω
	100- 250 MHz	100 ± 20 Ω
	250 -500 MHz	100 ± 25 Ω

Propagation velocity	76%
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Mutual pair capacitance	≤ 42 pF/m
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Capacitance unbalance pair/ground	≤ 1500 pF/km
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Conductor DC resistance	< 79.8 Ω/km
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Pair resistance unbalance DC	< 1.5%
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Dielectric strength	2.5 kV DC (2s)
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Insulation resistance (500V)	> 5000 MΩ.km
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Voltage rating	58 V
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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
650.0	52.3	31.1	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
650.0	30.1	11.7	8.7

Thermal characteristics

Storage / Transport / Installation	0 / 50°C
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CPR fire reaction class	D _{ca} -s2,d1,a1
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Operation	-20 / 60°
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Mechanical characteristics

Maximum pulling tension	100 N
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Bending radius - installed	50 mm
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Bending radius - during installation	60 mm
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Note

Câble utilisé pour réseau de télécommunication informatique