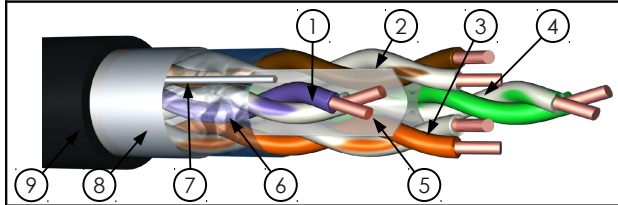
**elbaC Cable**

ZAC sous le Beer – RD 836
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**Construction****Inner conductor**

Material	Annealed copper
Diameter	AWG24 Ø 0.50 ± 0.008 mm

Insulation

Material	PEHD
Diameter	0.95 mm

Assembly**4 unshielded pairs**

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

Spacer	PE cross member	⑤
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Mylar spiral

Coverage	≥ 125 %	⑥
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Drain wire

Material	Tinned copper	⑦
Diameter	Ø 0.50 ± 0.008 mm	

Screen

Material	Aluminium / PET (40µ/12µ)	⑧
Coverage	≥ 125 %	

Sheath

Material	XL-LSZH	⑨
Color	Black	
Diameter	Ø 6.50 ± 0.15 mm	
Mass	41 kg/km	

Marking on sheath

Printing with XXX quantity in meter still available per reel DDDDD : Date code	« ISO 11801 – FTP CAT 5E 4 PR 24 AWG XL-LSZH INDOOR / OUTDOOR - TIA/EIA 568A - CE - elbaC - 251436 - DDDDD - XXX m »
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Color / Process	Black / Ink jet
Step	1 m

Electrical characteristics

Impedance	100 ±15 Ω
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Max. conductor DC resistance	94.8 Ω/km
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Propagation velocity ratio	65%
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Performance

Frequency MHz	Return loss mini dB	Max attenuation dB/100m
0.770	22.60	1.82
1.000	23.10	2.00
4.000	23.00	4.10
8.000	24.50	5.80
10.000	25.00	6.50
16.000	25.00	8.20
20.000	25.00	9.30
25.000	24.20	10.23
31.250	23.30	11.71
62.500	20.70	17.25
100.000	19.24	22.00

Frequency MHz	NEXT dB	ACR dB	ELFEXT dB	PSELFEXT dB
0.770	67.0	64.0	66.0	63.0
1.000	65.3	62.3	63.8	60.8
4.000	56.3	53.3	51.7	48.7
8.000	51.8	48.8	45.7	42.7
10.000	50.3	47.3	43.8	40.8
16.000	47.3	44.3	39.7	36.7
20.000	45.8	42.8	37.7	34.7
25.000	44.3	41.3	35.8	32.8
31.250	42.9	39.9	33.9	30.9
62.500	38.4	35.4	27.8	24.8
100.000	35.3	32.3	23.8	20.8

Thermal characteristics

Rated Temperature	60°C
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Meet Standards

EIA/TIA 568A - ISO/IEC 11801
IEC 60332-1
European directive 2011/65/EU

Packaging

-R3 : 305m Easy Reel Box

Notes

Special sheath suitable for **indoor and outdoor use**.
Water and UV resistant.
Flam retardant.
Halogen Free.