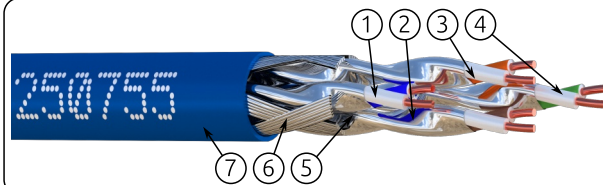
**elbaC Cable**

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

Material	Annealed copper
Diameter	$\varnothing 0.58 \pm 0.01$ mm

Insulation

Material	Skin/Foam/Skin HDPE
Diameter	$\varnothing 1.38 \pm 0.10$

Screening

Material	Alu/PET per pair (Alu side out)
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Assembly**4 shielded twister pairs**

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

Total shielding ⑥

Material	Tinned copper clad aluminum
Construction	$6 \times (8 \times \varnothing 0.12 \pm 0.008$ mm)
Coverage	25 ± 5 %

Sheath ⑦

Material	LSZH Blue RAL 5005
Thickness	≥ 0.5 mm
Diameter	$\varnothing 7.8 \pm 0.2$ mm

Marking of sheath

Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	ISO 11801 - S/FTP CAT7A 1200Mhz 4PR AWG23 TIA/EIA 568A - CE - elbaC 250755 - DDDDD - XXX m
Color / Process	White pigment ink / Ink jet
Step	1 m

Thermal characteristics

CPR fire reaction class	E_{ca}
Rated temperature	60°C

Meet Standards

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

Electrical characteristics

Impedance	4 - 100MHz	$100 \pm 15 \Omega$
	100 - 250 MHz	$100 \pm 15 \Omega$
	250 - 500 MHz	$100 \pm 20 \Omega$
	500 - 1000 MHz	$100 \pm 25 \Omega$
	1000-1200 MHz	$100 \pm 32 \Omega$

Max. conductor DC resistance	< 79.8 Ω /km
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Propagation velocity	78%
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Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
4.0	3.70	75.0	23.0
100.0	18.50	75.0	20.1
250.0	29.70	69.4	17.3
500.0	42.80	64.9	17.3
600.0	47.10	63.7	17.3
700.0	51.10	62.7	16.6
800.0	54.90	61.9	16.1
900.0	58.50	61.1	15.5
1000.0	61.90	60.4	15.1
1200.0	68.40	59.2	14.8

Frequency MHz	PS NEXT dB	ELFEXT dB	PS ELFEXT dB
4.0	75.0	75.0	75.0
100.0	72.4	55.3	52.3
250.0	66.4	47.3	44.3
500.0	61.9	41.3	38.3
600.0	60.7	39.7	36.7
700.0	59.7	38.4	35.4
800.0	58.9	37.2	34.2
900.0	58.1	36.2	33.2
1000.0	57.4	35.3	32.3
1200.0	56.2	33.7	30.7

Packaging

- W5 : 500m wooden drum

Notes