**elbaC Cable**

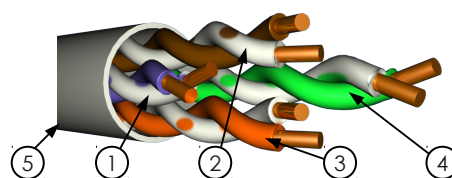
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**Construction****Inner conductor**

Material	Annealed copper
Diameter	AWG24 $\varnothing 0.50 \pm 0.008$ mm

Insulation

Material	PEHD
Diameter	$\varnothing 0.95$ mm

Assembly**4 unshielded pairs**

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

Sheath

Material	LSZH
Color	Grey RAL 7035
Diameter	$\varnothing 5.20 \pm 0.20$ mm

Mass 34 kg/km**Marking on sheath**

Printing	« ISO 11801 – UTP CAT 5E LSZH with XXX quantity in meter still available per reel WW/YY : Date coder - C € - elbaC 250405 - DDDDD - XXX m »
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Color / Process Black / Ink jet

Step 1 m

Electrical characteristicsImpedance 100 ± 15 Ω **Max. conductor DC resistance** 94.8 Ω /km**Propagation velocity ratio** 65%**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	65.0	66.0	63.0
1.000	65.3	63.0	63.8	60.8
4.000	56.3	51.0	51.7	48.7
8.000	51.8	45.0	45.7	42.7
10.000	50.3	43.0	43.8	40.8
16.000	47.3	37.0	39.7	36.7
20.000	45.8	35.0	37.7	34.7
25.000	44.3	32.0	35.8	32.8
31.250	42.9	29.0	33.9	30.9
62.500	38.4	19.0	27.8	24.8
100.000	35.3	9.0	23.8	20.8

Meet Standards

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

Thermal characteristics**Rated Temperature** 60°C**Packaging**

-G1 : Shrinked PE bag
-R3 : Easy reel box 305 m
-W5 : 500 m / wooden drum

Notes