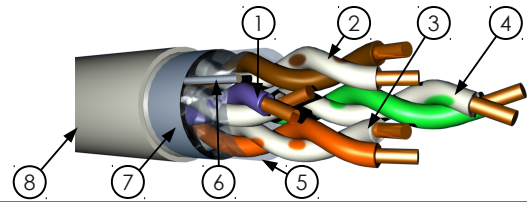
**elbaC Cable**

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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

Mylar spiral ⑤

Coverage	≥ 125 %
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Drain wire ⑥

Material	Tinned copper
Diameter	Ø 0.50 ± 0.008 mm

Screen ⑦

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

Sheath ⑧

Material	LSZH
Color	Grey RAL 7035
Diameter	Ø 6.10 ± 0.15 mm

Mass	42 kg/km
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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 LSZH TIA/EIA 568A - CE - elbaC 250436 - DDDDD - XXX m »
Color / Process	Black / Ink jet
Step	1 m

Meet Standards

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

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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Packaging

Easy box (420×420×260mm) : 305 m
500 m / wooden drum
1000 m / wooden drum

Notes