

**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 ⑤

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

Weight

Linear mass	34 kg/km
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Marking of sheath

Printing	ISO 11801 - UTP CAT 5E LSZH
with XXX : Quantity in meter still available per reel DDDDD : Date code	EIA/TIA 568A - elbaC 250405 - DDDDD - XXX m

Color / Process	Black / Ink jet
Step	1 m

Electrical characteristics

Impedance	100 \pm 15 Ω
Max. conductor DC resistance	94.8 Ω /km
Propagation velocity	65%

Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
0.77	1.82	67.0	22.60
1.00	2.00	65.3	23.10
4.00	4.10	56.3	23.00
8.00	5.80	51.8	24.50
10.00	6.50	50.3	25.00
16.00	8.20	47.3	25.00
20.00	9.30	45.8	25.00
25.00	10.23	44.3	24.20
31.25	11.71	42.9	23.30
62.50	17.25	38.4	20.70
100.00	22.00	35.3	19.24

Frequency MHz	ACR dB	ELFEXT dB	PS ELFEXT dB
0.77	64.0	66.0	63.0
1.00	62.3	63.8	60.8
4.00	53.3	51.7	48.7
8.00	48.8	45.7	42.7
10.00	47.3	43.8	40.8
16.00	44.3	39.7	36.7
20.00	42.8	37.7	34.7
25.00	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.50	35.4	27.8	24.8
100.00	32.3	23.8	20.8

Meet Standards

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

Thermal characteristics

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

Packaging

- G1	: 100m / Shrinked PE bag
- R3	: 305m / Easy Reel Box
- W5	: 500m / Wooden Drum

Notes