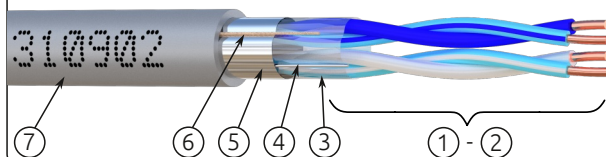
**elbaC Cable**

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**Construction****Inner conductor** ① - ②

Material	Annealed copper
Diameter	$\varnothing 0.78 \pm 0.008$ mm
Area	0.48 mm ²

Insulation

Material	HDPE
Diameter	$\varnothing 1.30$ mm

Assembly**2 pairs**

Colors	See color table
Lay length	

Mylar spiral ③

Coverage	$\geq 125\%$
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Drain wire ④

Material	Tinned Copper
Diameter	$\varnothing 0.45 \pm 0.008$ mm

Screen ⑤

Material	Aluminium/PET (40 μ /12 μ)
Coverage	$\geq 125\%$

Rip Cord ⑥

	200D
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Sheath ⑦

Material	PVC Grey Flame retardant IEC 332-1
Diameter	$\varnothing 6.20$ mm

Mass

	50 kg/km
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Marking of sheath

Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	SYT+/LY9ST 2P AWG20 - elbaC 310902 - DDDDD - XXX m
Color / Process	Black / Ink jet
Step	1 m

Notes**Electrical characteristics**

Impedance	100 $\pm$ 20 Ω
Mutual paires capacitance	70 nF/km
Max conductor DC resistance	39 Ω /km
Propagation velocity ratio	65%
Rated voltage	200V
Insulation resistance 20°C	> 500M Ω .km

Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB
0.001	0.200	70
0.040	0.350	66
0.150	0.850	57
0.300	1.300	53
1.000	2.500	45
2.000	3.500	40

Color table

Pairs	Colors		Lay Length (mm)
	A	B	
①	Light blue/White	White	20
②	Light blue/Dark blue	Dark blue	23

Based on NF C93-529 + color line on light blue (A)

Meet Standards

Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	EN 50575:2014/A1:2016
Fire performance :	IEC 60332-1 NF C 32-070 Classe C2

Thermal characteristics

CPR fire reaction class	E _{ca}
Rated temperature	-15 / 70°C

Mechanical characteristics

Static (d = sheath diameter)	r = 6 $\times$ d
Dynamic (d = sheath diameter)	r = 12 $\times$ d

Packaging

- B1	: 100m / Carton Box
- R2	: 250m / Easy Reel Box
- W5	: 500m / Wooden Drum