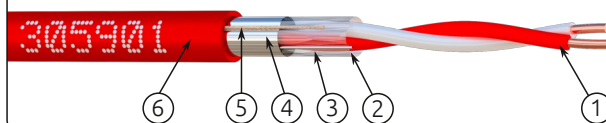
**elbaC Cable**

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**Construction**

Inner conductor		①	
Material	Annealed copper		
Diameter	Ø 0,78 mm		
Area	0,48 mm²		
Insulation			
Material	HDPE		
Diameter	Ø 1,30 mm		
Assembly			
1 pair			
Colors	See color table		
Lay length			
Mylar spiral		②	
Coverage	≥ 125 %		
Drain wire			③
Material	Tinned copper		
Diameter	Ø 0,45 ± 0.008 mm		
Screen			④
Material	Alu/PET (40µ/12µ)		
Coverage	≥ 115%		
Rip Cord	200D	⑤	
Sheath			⑥
Material	PVC Red Flame retardant IEC 332-1 (C2)		
Diameter	Ø 4,50 mm		
Mass	29 kg/km		
Marking of sheath			
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	SYT+/LY9ST 1P AWG20 - elbaC 305901 - DDDDD - XXX m		
Color / Process	Black / Ink jet		
Step	1 m		

Electrical characteristics

Impedance	100 ± 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	> 500MΩ.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	
	A	B
①	White	Red

According to NF C93-529

Meet Standards

Fire performance :	IEC 60332-1
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	EN 50575:2014/A1:2016

Thermal characteristics

CPR fire reaction class	E _{ca}
Storage / Transport / Installation	0 / 50°C
Operation	-15 / 70°C

Mechanical characteristics

Static (d = sheath diameter)	r = 6 × d
Dynamic (d = sheath diameter)	r = 12 × d

Packaging

- B1 : 100m / Carton box
- W5 : 500m / Wooden drum

Notes