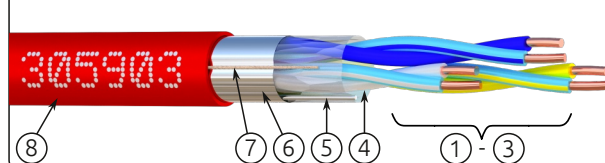
**elbaC Cable**

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**Construction**

Inner conductor		① - ③		
Material	Annealed copper			
Diameter	Ø 0.78 mm ± 0.008 mm			
Area	0.48 mm²			
Insulation				
Material	HDPE			
Diameter	Ø 1.30 mm			
Assembly				
3 pairs				
Colors	See color table			
Lay length				
Mylar spiral	④			
Coverage	≥ 125%			
Drain wire			⑤	
Material	Tinned copper			
Diameter	Ø 0.45 ± 0.008 mm			
Screen			⑥	
Material	Alu/PET (40µ/12µ)			
Coverage	≥ 115 %			
Rip Cord	200D			⑦
Sheath			⑧	
Material	PVC Red Flame retardant IEC 332-1 (C2)			
Diameter	Ø 6.60 ± 0.15 mm			
Mass	65 kg/km			
Marking of sheath				
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	SYT+/LY9ST 3P AWG20 - elbaC 305903 - DDDDD - XXX m			
Color / Process	Black / Ink jet			
Step	1 m			

Notes**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				Lay Length (mm)
	A		B		
①	Light blue			White	20
②	Light blue			Dark blue	23
③	Light blue			Yellow	26

According to NF C93-529

Meet Standards

Fire performance :	EN 50575:2014/A1:2016
Environment :	European directive 2011/65/EU
Marking :	CE
Fire reaction :	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 × d
Dynamic (d = sheath diameter)	r = 12 × d

Packaging

- W5 : 500m / Wooden Drum