

**Construction**

Inner conductor	① - ⑤
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Material	Annealed copper
Diameter	Ø 0,78 ± 0,008 mm
Area	0,48 mm <sup>2</sup>

**Insulation**

Material	HDPE
Diameter	Ø 1,30 mm

**Assembly**

5 pairs	
Colors	See color table
Lay length	

Mylar spiral	⑥
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Coverage	90 %
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Drain wire	⑦
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Material	Tinned copper
Diameter	Ø 0,45 ± 0,008 mm

Screen	⑧
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Material	Alu/PET (40µ/12µ)
Coverage	≥ 115 %

Rip Cord	200D	⑨
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Sheath	⑩
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Material	PVC Grey Flame retardant IEC 332-1
Diameter	Ø 7,80 ± 0,15 mm

Mass	92 kg/km
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**Marking of sheath**

Printing	SYT+/LY9ST 5P AWG20 - elbaC with XXX : Quantity in meter still available per reel DDDDD : Date code
	310905 - DDDDD - XXX m

Color / Process	Black / Ink jet
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Step	1 m
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**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	White	White	20
②	Light blue/Dark blue	Dark blue	Dark blue	23
③	Light blue/Yellow	Yellow	Yellow	26
④	Light blue/Brown	Brown	Brown	29
⑤	Light blue/Black	Black	Black	32

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

**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 <sub>ca</sub>
Rated temperature	-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