



Construction	
Inner conductor	① - ②
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	
2 pairs	
Colors	See color table
Lay length	
Mylar spiral	③
Coverage	≥ 125%
Drain wire	④
Material	Tinned Copper
Diameter	Ø 0.45 ± 0.008 mm
Screen	⑤
Material	Aluminium/PET (40µ/12µ)
Coverage	≥ 125%
Rip Cord	200D ⑥
Sheath	⑦
Material	PVC Grey Flame retardant IEC 332-1
Diameter	Ø 6.20 mm
Mass	50 kg/km
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

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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	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 <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
- R2	: 250m / Easy Reel Box
- W5	: 500m / Wooden Drum