



Construction	
Inner conductor	① - ③
Material	Annealed copper
Diameter	Ø 0.78 ± 0.008 mm
Area	0.48 mm ²
Insulation	
Material	HDPE
Diameter	Ø 1.30 mm
Assembly	
3 pairs	
Colors	See color table
Lay length	
Mylar spiral	④
Coverage	≥ 115%
Drain wire	⑤
Material	Tinned Copper
Diameter	Ø 0.45 ± 0.008 mm
Screen	⑥
Material	Aluminium/PET (40µ/12µ)
Coverage	≥ 115%
Rip Cord	200D ⑦
Sheath	⑧
Material	PVC Grey Flame retardant IEC 332-1
Diameter	Ø 6.60 ± 0.15 mm
Mass	65 kg/km
Marking of sheath	
Printing	SYT+ / LY9ST 3P AWG20 - elbaC with XXX : Quantity in meter still available per reel DDDDD : Date code
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	Light blue	White	20
②	Light blue/Dark blue	Light blue	Dark blue	23
③	Light blue/Yellow	Light blue	Yellow	26

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

Packaging	
- B1	: 100m / Carton Box
- R2	: 250m / Easy Reel Box
- W3	: 300m / Wooden Drum
- W5	: 500m / Wooden Drum