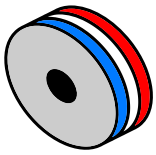
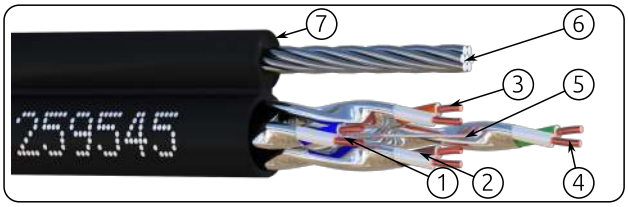
259545-00 U/FTP CAT6A 500MHz EXTERIEUR AUTOPORTÉ Update D



elbaC Cable
ZAC sous le Beer - RD 836
F-27730 BUEIL (Eure - France)
Tél : +33 (0)2 32 62 00 92
Fax : +33 (0)2 76 01 31 80
www.elbac.fr / info@elbac.fr



Construction

Inner conductor	① - ④
Material	Annealed copper
Diameter	Ø 0.56 ± 0.01 mm
Insulation	① - ④
Material	Skin/Foam/Skin HDPE
Diameter	Ø 1.33 ± 0.10 mm
Screening	① - ④
Material	Alu/PET per pair (Alu side out)
Assembly	
4 shielded twister pairs	
①	Blue / white
②	Brown / white
③	Orange / white
④	Green / white
Drain wire	⑤
Material	Tinned copper Ø 0.4 ± 0.01 mm
Messenger	⑥
Material	Galvanized steel
Strand	7 × Ø0.85 mm
Breaking force	> 4500 N
Sheath	⑦
Material	PE Black
Thickness	≥ 0.5 mm
Diameter	Ø 7.4 ± 0.2 mm + Ø 5.0 ± 0.2 mm
Weight	
Linear mass	46.1 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	U/FTP CAT6A 500MHz EXTERIEUR AUTOPORTE - 4 PAIRS AWG23 - ISO 11801 - TIA/EIA 568B - CE - elbaC 259545 - DDDDD - XXX m
Color / Process	White pigment ink / Ink jet
Step	1 m

Meet Standards

Electrical :	EIA/TIA 568A
	ISO/IEC 11801
Smoke density :	IEC 61034
Halogen free :	IEC 60754
Fire reaction :	EN 50575:2014/A1:2016
Environment :	European directive 2011/65/EU
Marking :	CE

Electrical characteristics

Impedance	1 - 100MHz	100 ± 15 Ω
	100- 250 MHz	100 ± 20 Ω
	250 -500 MHz	100 ± 25 Ω
Max. conductor DC resistance		< 79.8 Ω/km
Propagation velocity		76%

Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
1.0	2.1	75.3	20.0
4.0	3.8	66.3	23.0
10.0	5.9	60.3	25.0
16.0	7.5	57.2	25.0
31.25	10.5	52.9	23.6
62.5	15.0	48.4	21.5
100.0	19.1	45.3	20.1
250.0	31.8	39.3	17.3
500.0	45.3	34.8	17.3

Frequency MHz	PS NEXT dB	ELFEXT dB	PS ELFEXT dB
1.0	72.3	68.0	65.0
4.0	63.3	56.0	53.0
10.0	57.3	48.0	45.0
16.0	54.2	43.9	40.9
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100.0	42.3	28.0	25.0
250.0	36.3	20.0	27.0
500.0	31.8	14.0	11.0

Thermal characteristics

CPR fire reaction class	F_{ca}
Rated temperature	60°C

Mechanical characteristics

Bending radius - installed	50 mm
Bending radius - during installation	60 mm

Packaging

- W1 : 100m / Wooden drum
- W5 : 500m / Wooden drum

Notes

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