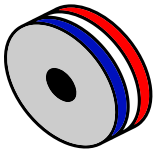
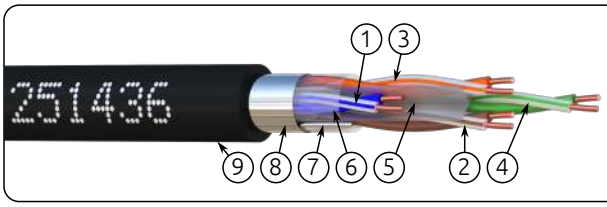
251436-00 F/UTP CAT5E INTÉRIEUR/EXTÉRIEUR Update D



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Construction

Inner conductor	1 - 4
Material	Annealed copper
Diameter	Ø 0.50 ± 0.008 mm
Insulation	1 - 4
Material	PEHD
Diameter	Ø 0.95 mm
Assembly	
4 unshielded pairs	
1	Blue / White Blue
2	Brown / White Brown
3	Orange / White Orange
4	Green / White Green
Filler	5
Type	Cross member
Mylar spiral	6
Coverage	≥ 125 %
Drain wire	7
Material	Tinned copper Ø 0.50 ± 0.008 mm
Screen	8
Material	Aluminium / PET (40µ/12µ)
Coverage	≥ 125 %
Sheath	9
Material	ODLSZH Black RAL 9005
Diameter	Ø 6.50 ± 0.15 mm
Weight	
Linear mass	41 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	ISO 11801 - F/UTP CAT5E 4 PR 24 AWG ODLSZH INTÉRIEUR/EXTÉRIEUR - TIA/EIA 568A - elbaC 251436 - DDDDD - XXX m
Color / Process	White / Ink jet
Step	1 m

Meet Standards

Electrical :	EIA/TIA 568A - ISO/IEC 11801
Fire performance :	IEC 60332-1
	NF C 32-070 Classe C2
Smoke density :	IEC 61034
Halogen free :	IEC 60754
Environment :	European directive 2011/65/EU
Marking :	CE

Electrical characteristics

Impedance	1 - 100MHz	100 ± 15 Ω
Max. conductor DC resistance		94.8 Ω/km
Propagation velocity		65%

Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
0.770	1.82	67.0	22.60
1.000	2.00	65.3	23.10
4.000	4.10	56.3	23.00
8.000	5.80	51.8	24.50
10.000	6.50	50.3	25.00
16.000	8.20	47.3	25.00
20.000	9.30	45.8	25.00
25.000	10.23	44.3	24.20
31.250	11.71	42.9	23.30
62.500	17.25	38.4	20.70
100.000	22.00	35.3	19.24

Frequency MHz	ACR dB	ELFEXT dB	PS ELFEXT dB
0.770	64.0	66.0	63.0
1.000	62.3	63.8	60.8
4.000	53.3	51.7	48.7
8.000	48.8	45.7	42.7
10.000	47.3	43.8	40.8
16.000	44.3	39.7	36.7
20.000	42.8	37.7	34.7
25.000	41.3	35.8	32.8
31.250	39.9	33.9	30.9
62.500	35.4	27.8	24.8
100.000	32.3	23.8	20.8

Thermal characteristics

CPR fire reaction class	E_{ca}
Rated temparture	60°C

Mechanical characteristics

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

Packaging

- R3 : 250m / Easy Reel Box

Notes

Special sheath suitable for indoor and outdoor use.
Water and UV resistant
Flam retardant
Halogen Free

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