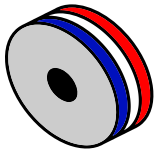
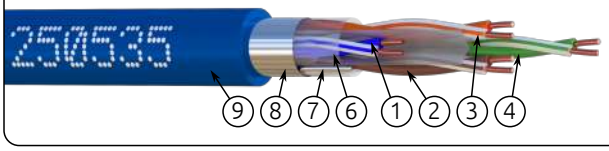
250535-00

F/UTP CAT6 350MHz LSZH

Update J



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Construction

Inner conductor	① - ④
Material	Annealed copper
Diameter	Ø 0.52 ± 0.008 mm
Insulation	① - ④
Material	HDPE
Diameter	Ø 1.03 mm ± 0.1 mm
Assembly	
4 unshielded twisted 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	≥ 115%
Drain wire	⑦
Material	Tinned copper Ø 0.4 ± 0.01 mm
Screen	⑧
Material	Aluminium / PET (40µ/12µ)
Coverage	≥ 115%
Sheath	⑨
Material	LSZH Blue RAL 5005
Thickness	Average ≥ 0.70 mm
Diameter	Ø 7.20 ± 0.20 mm
Weight	
Linear mass	46 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	ISO 11801 - F/UTP CAT6 350 MHz 4 PR TIA/EIA 568A - elbaC 250535 - DDDDD - XXX m
Color / Process	White pigment ink / 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
Fire reaction :	EN 50575:2014/A1:2016 D_{ca}
Smoke density :	IEC 61034
Halogen free :	IEC 60754
Environment :	European directive 2011/65/EU
Marking :	CE

Electrical characteristics

Impedance	1 - 100MHz	100 ± 15 Ω
	100 - 250 MHz	100 ± 20 Ω
	250 - 350 MHz	100 ± 25 Ω
Max. conductor DC resistance		< 91.2 Ω/km
Propagation velocity		70%

Performances

Frequency MHz	Max attenuation dB/100m	NEXT dB	RL dB
4.00	3.8	66.3	23.0
10.00	6.0	60.3	25.0
16.00	7.6	57.2	25.0
20.00	8.5	55.8	25.0
31.25	10.7	52.9	23.6
62.50	15.5	48.4	21.5
100.00	19.9	45.3	20.1
200.00	29.1	40.8	18.0
250.00	33.0	39.3	17.3
350.00	40.0	37.1	17.3

Frequency MHz	PS NEXT dB	ELFEXT dB	PS ELFEXT dB
4.00	63.3	56.0	53.0
10.00	57.3	48.0	45.0
16.00	54.2	43.9	40.9
20.00	52.8	42.0	39.0
31.25	49.9	38.1	35.1
62.50	45.4	32.1	29.1
100.00	42.3	28.0	25.0
200.00	37.8	22.0	19.0
250.00	36.3	20.0	17.0
350.00	34.1	17.1	14.1

Thermal characteristics

CPR fire reaction class	D_{ca}-s2,d1,a1
Rated temperature	80°C

Mechanical characteristics

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

Packaging

- W1 : 100m / Wooden Drum
- R3 : 305m / Easy Reel Box
- W5 : 500m / Wooden Drum
- WA : 1000m / Wooden Drum

Notes

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