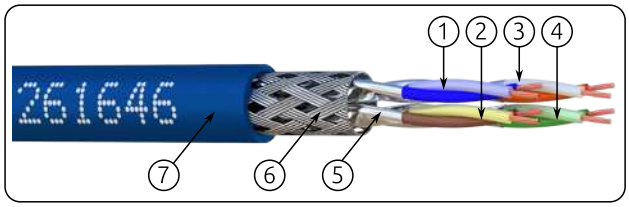
261646-00 S/FTP CAT6A PATCH LSZH Update A



Construction

Inner conductor	
Material	Annealed copper
Diameter	7 × Ø 0.16 ± 0.005 mm
Insulation	
Material	PEHD+PP Gas injected
Diameter	Ø 1.02 ± 0.05 mm
Screening ⑤	
Material	Alu/PET thick film (Alu side out)
Coverage	≥ 125%
Assembly	
4 shielded twister pairs	
①	Blue / Light Blue
②	Brown / Light Yellow
③	Orange / White
④	Green / Light Green
Overall braiding ⑥	
Material	Tinned copper
Construction	16 × (4 × Ø 0.10 ± 0.003 mm)
Coverage	40%
Sheath ⑦	
Material	LSZH Blue RAL 5017
Diameter	Ø 6.0 ± 0.2 mm
Weight	
Linear mass	37.4 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	S/FTP CAT6A 500MHz PATCH LSZH - 4 PAIRS - ISO/11801 - TIA/EIA 568B - elbaC 261646 - DDDDD - XXXm
Color / Process	White / Ink jet
Step	1 m

Electrical characteristics

Impedance	1 - 100MHz	100 ± 15 Ω
	100- 250 MHz	100 ± 20 Ω
	250 -500 MHz	100 ± 25 Ω
Max. conductor DC resistance		< 158.8 Ω/km
Propagation velocity		79%

Performances

Frequency MHz	Max attenuation dB/100m	RL dB	NEXT dB
1.0	3.1	20.0	75.3
4.0	5.8	23.0	66.3
10.0	9.0	25.0	60.3
16.0	11.4	25.0	57.2
31.25	16.1	23.6	52.9
62.5	23.3	21.5	48.4
100.0	29.9	20.1	45.3
250.0	49.7	17.3	39.3
500.0	74.1	15.2	34.8

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	17.0
500.0	31.8	14.0	11.0

Thermal characteristics

CPR fire reaction class	E_{ca}
Rated temperature	70°C

Mechanical characteristics

Bending radius - installed	40 mm
Bending radius - during installation	50 mm

Meet Standards

Electrical :	EIA/TIA 568B
	ISO/IEC 11801
Fire performance :	IEC 60332-1
	NF C 32-070 Classe C2
Fire reaction :	EN 50575:2014/A1:2016
Smoke density :	IEC 61034
Halogen free :	IEC 60754
Marking :	CE
Environment :	European directive 2011/65/EU

Packaging

Cord from 0.50cm to 20m

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