



Construction	
Inner conductor	①-④
Material	Annealed copper
Diameter	7 × Ø 0.16 ± 0.005 mm
Insulation	
Material	Skin/Foam/Skin HDPE
Diameter	Ø 1.02 ± 0.05 mm
Screening	
Material	Alu/PET per pair (Alu side out) ⑤
Coverage	> 120%
Assembly	
4 shielded twister pairs	
①	Blue / Light Blue
②	Brown / Light Yellow
③	Orange / White
④	Green / Light Green
Overall braiding	
Material	Tinned copper ⑥
Construction	16 × (4 × Ø 0.10 ± 0.003 mm)
Coverage	40%
Sheath	
Material	LSZH Grey RAL 7038 ⑦
Diameter	Ø 6.0 ± 0.2 mm
Weight	
Linear mass	36 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 AWG26 - ISO 11801 - TIA/EIA 568B - elbaC 261645 - DDDDD - XXXm
Color / Process	Black pigment ink / Ink jet
Step	1 m

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

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	76%		
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

Packaging	
- R3 :	305m / Easy Reel Box