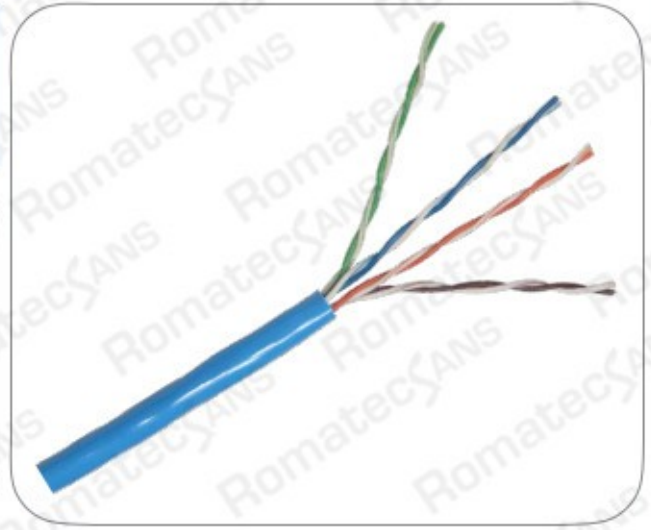


### COPPER CAT. 6a UTP CABLE

We have a complete structured cabling solution, where our products are manufactured under the UL and ETL standards. We provide to our customers 25 years guarantee on our structured cabling solution.



<b>Standards</b>	ISO/IEC 11801 TIA/EIA568B
<b>Multi construction</b>	4 Pairs (8 cores)
<b>AWG</b>	23
<b>Conductor Diameter (mm)</b>	0.48 ± 0.005
<b>Conductor Material</b>	Solid Bare Copper
<b>Insulation</b>	HDPE
<b>Thickness (mm)</b>	AVG: 0.28 ± 0.03 (MIN. 0.27)
<b>Insulation Diameter</b>	1.14 ± 0.05
<b>Ripcord</b>	Cotton (Customized)
<b>Jacket</b>	PVC / LSZH
<b>Jacket Thickness (mm)</b>	AVG: 0.50 ± 0.05 (MIN: 0.40)
<b>Outer Diameter (mm)</b>	6.2 ± 0.2
<b>Jacket Color</b>	Customized
<b>Max. Conductor DC Resistance at 20°C (Ω/Km)</b>	73.2

ORDERING INFORMATION										
Model	Category	Type	Color	Jacket	Length (m)					
LC	5e	1	UUTP	1	Yellow	A	LSZH	L	500	
	6	2	FFTP	2	Blue	B	PVC	S	305	
	6a	3	SUTP	3	White					
		4	SFTP	4	Red					

ORDERING INFORMATION EXAMPLE										
LC	6a	1		3		A		S		

## TECHNICAL SPECIFICATION

Performance				
Frequency (MHz)	RL (dB) min.	Attenuation (dB/100m) max.	NEXT (dB/100m)	PSNEXT (dB/100m)
4	23.0	3.8	65.3	63.3
8	24.5	5.3	60.8	58.5
10	25.0	5.9	59.3	57.3
16	25.0	7.5	56.2	54.2
20	25.0	8.4	54.8	52.8
25	24.3	9.4	53.3	51.3
31.25	23.6	10.5	51.9	49.9
62.5	21.5	15.0	47.4	45.4
100	20.1	19.1	44.3	42.3
150	18.9	23.7	41.7	39.7
200	18.0	27.6	39.8	37.8
250	17.3	31.1	38.3	36.3
300	16.8	34.3	37.1	35.1
500	15.2	45.3	33.8	31.8
550	14.9	47.7	33.2	31.2

Frequency (MHz)	ELFEXT (dB)	PSELFEXT (dB/100m)	Impedance (Ohm)
4	55.8	52.8	100 ± 15
8	49.7	46.7	
10	47.8	44.8	
16	43.7	36.91	
20	41.8	40.7	
25	39.8	38.8	
31.25	37.9	36.8	
62.5	31.9	34.9	
100	27.8	28.9	
150	24.3	24.8	
200	21.8	18.8	
250	19.8	16.8	
300	18.3	15.3	
500	13.8	10.8	
550	13.0	10.0	

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