
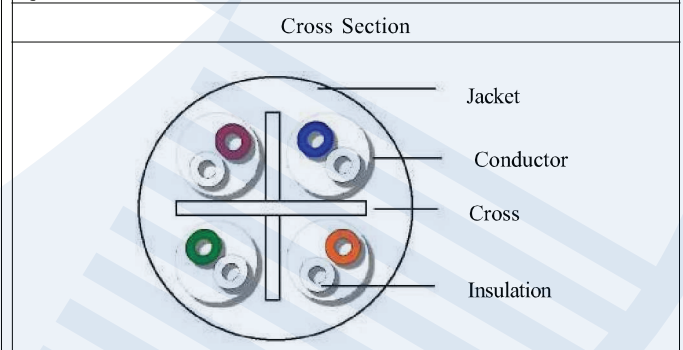


SPECIFICATION

 Edition 10	Style	L.A.N. CABLE	Document No.
	Size	UTP CAT.6 550 MHZ (Solid)	LUMN Page 1/1

Marking SATRA CATEGORY 6 SOLID CABLE TESTED TO 550MHZ E224754 (UL) CMR 75°C 4PR VERIFIED TO TIA/EIA-568-C.2 XXXXXFT		
Description		
Rating Temp :	75°C	
Fame test:	CMR	
Application :	Horizontal Wiringin LAN	
Standard :	UL444 > UL1581 > TIA/EIA - 568C.2	
Construction & Dimension:		
Conductor:	Material:	Annealed Bare Copper
	Size:	23 AWGX4P
	Construction :	1 / 0.554 ± 0.08 mm
Insulation:	Material:	HDPE
	Minimum Average Thickness :	0.22 mm
	Minimum Thickness at any point:	0.21 mm
	Diameter:	0.96 ± 0.01 mm
Identification:	1.Blue>White/Blue 2.Orange>White/Orange 3.Green>White/Green 4.Brown>White/Brown	
Core Assembly:	CoreTwist:	2 core twist
	Filler:	NA
	Assembly Pair:	4 pair assembly
Taping:	Mylar Foil:	NA
Shielded :	Al-Mylar Foil:	NA
Braid :	Tinned copper:	NA
Spacer	Material:	PE
	Construction:	
Jacket:	Material:	PVC
	Minimum Average Thickness :	0.45 mm
	Minimum Thickness at any point:	0.4 mm
	Diameter:	6.2 ± 0.2 mm

Electrical & Physical Properties :						
Frequency	RL	Att.	NEXT	PSNEXT	ELFEXT	PSELFEXT
0.772		1.8	67.0	64.0		
1.0	20.0	2.0	65.3	62.3	63.8	60.8
4.0	23.0	4.0	56.3	53.3	51.7	48.7
8.0	24.5	5.8	51.8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	47.3	43.8	40.8
16.0	25.0	8.2	47.3	44.3	39.7	36.7
20.0	25.0	9.3	45.8	42.8	37.7	34.7
25.0	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	27.8	24.8
100.0	20.1	22.0	35.3	32.3	23.8	20.8
125	18.2	24.9	33.9	30.9	21.8	18.8
200	16.4	32.4	30.8	27.8	17.7	14.7
250	15.6	36.9	29.3	26.3	15.8	12.8
300	14.9	41.0	28.2	25.2	14.2	11.2
350	14.3	44.8	27.2	24.2	12.9	9.9
550	12.6	58.8	24.2	21.2	8.9	5.9
Impedance (0.772-100 MHz):					85 ~ 115 ohm	
Impedance (250-550 MHz):					80 ~ 120 ohm	
DC. Resistance Unbalance:					5%	
Pair-to-Ground Capacitance Unbalance:					330 pF/100m Max.	
Conductor Resistance:					9.38 ohm/100m 20°C Max	
Mutual Capacitance:					5.6 nF/m Max.	
Spark Test:					2.5 KV	



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