
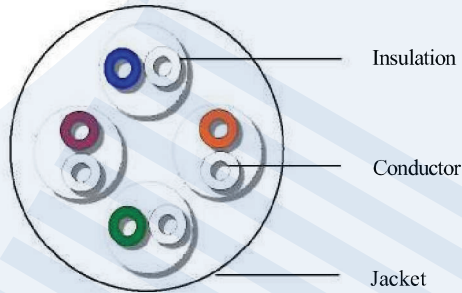


SPECIFICATION

 Edition 1.0	Style	L.A.N. CABLE	Document No.
			LUMN
	Size	UTP CAT.5e 350 MHZ (Solid)	Page
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Marking	Electrical & Physical Properties :																																																																																																																							
SATRA TESTED TO 350 MHZ E224754 (UL) CMR 75°C 4 PR 24AWG VERIFIED TO TIA/EIA-568-B.2 CAT.5E SOLID XXXXXXFT	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency</th> <th>RL</th> <th>Att.</th> <th>NEXT</th> <th>PSNEXT</th> <th>ELFEXT</th> <th>PSELFEXT</th> </tr> </thead> <tbody> <tr><td>0.772</td><td></td><td>1.8</td><td>67.0</td><td>64.0</td><td></td><td></td></tr> <tr><td>1.0</td><td>20.0</td><td>2.0</td><td>65.3</td><td>62.3</td><td>63.8</td><td>60.8</td></tr> <tr><td>4.0</td><td>23.0</td><td>4.0</td><td>56.3</td><td>53.3</td><td>51.7</td><td>48.7</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.8</td><td>51.8</td><td>48.8</td><td>45.7</td><td>42.7</td></tr> <tr><td>10.0</td><td>25.0</td><td>6.5</td><td>50.3</td><td>47.3</td><td>43.8</td><td>40.8</td></tr> <tr><td>16.0</td><td>25.0</td><td>8.2</td><td>47.3</td><td>44.3</td><td>39.7</td><td>36.7</td></tr> <tr><td>20.0</td><td>25.0</td><td>9.3</td><td>45.8</td><td>42.8</td><td>37.7</td><td>34.7</td></tr> <tr><td>25.0</td><td>24.3</td><td>10.4</td><td>44.3</td><td>41.3</td><td>35.8</td><td>32.8</td></tr> <tr><td>31.25</td><td>23.6</td><td>11.7</td><td>42.9</td><td>39.9</td><td>33.9</td><td>30.9</td></tr> <tr><td>62.5</td><td>21.5</td><td>17.0</td><td>38.4</td><td>35.4</td><td>27.8</td><td>24.8</td></tr> <tr><td>100.0</td><td>20.1</td><td>22.0</td><td>35.3</td><td>32.3</td><td>23.8</td><td>20.8</td></tr> <tr><td>125</td><td>18.2</td><td>24.9</td><td>33.9</td><td>30.9</td><td>21.8</td><td>18.8</td></tr> <tr><td>200</td><td>16.4</td><td>32.4</td><td>30.8</td><td>27.8</td><td>17.7</td><td>14.7</td></tr> <tr><td>250</td><td>15.6</td><td>36.9</td><td>29.3</td><td>26.3</td><td>15.8</td><td>12.8</td></tr> <tr><td>300</td><td>14.9</td><td>41.0</td><td>28.2</td><td>25.2</td><td>14.2</td><td>11.2</td></tr> <tr><td>350</td><td>14.3</td><td>44.8</td><td>27.2</td><td>24.2</td><td>12.9</td><td>9.9</td></tr> </tbody> </table>	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
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Rating Temp : 75°C Flame test: CMR Application : Horizontal Wiring LAN Standard : UL444 > UL1581 > TIA/EIA - 568B.2																																																																																																																								
Construction & Dimension:																																																																																																																								
Conductor: Material: Annealed Bare Copper Size: 24 AWG X4P Construction: 1/0.5 ±0.01 mm Insulation: Material: HDPE Minimum Average Thickness : 0.19 mm Minimum Thickness at any point: 0.18 mm Diameter: 0.90 ±0.02 mm																																																																																																																								
Identification: 1.Blue>White/Blue 2.Orange>White/Orange 3.Green>White/Green 4.Brown>White/Brown Core Assembly: Core Twist: 2 core twist Filler: NA Assembly Pair: 4 pair assembly	Impedance (0.772-100 MHz): 85-115 ohm Impedance (100-350 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																																																																																																																							
Taping: Mylar Foil: NA Shielded : Al-Mylar Foil: NA Braid : Tinned copper: NA Drain: Material: NA Construction: Jacket: Material: PVC Minimum Average Thickness : 0.45 mm Minimum Thickness at any point: 0.4 mm Diameter: 5.1 ±0.2 mm	Cross Section 																																																																																																																							

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