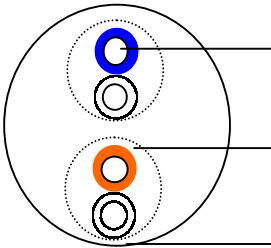
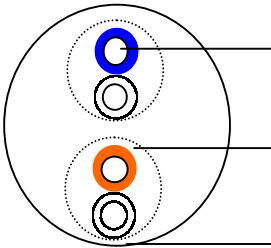
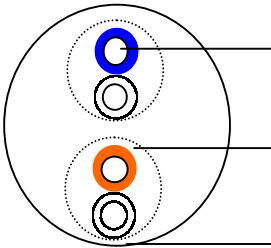


# SPECIFICATION

Issued Date	Style	L.A.N. CABLE	Document No.
Aug-29-2003			LUMN
Edition	Size	UTP CAT.5 24AWG X 2P (Solid)	Page
1.0			1/1

Marking	Electrical & Physical Properties :																																																
<b>NEX1 UTP 2PR 24AWG CAT.5 SOLID</b> <b>ETL VERIFIED TO TIA/EIA-568-B.2 XXXXM</b>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Frequency</th> <th style="text-align: left;">SRL</th> <th style="text-align: left;">Att.</th> <th style="text-align: left;">NEXT</th> </tr> </thead> <tbody> <tr><td>0.772</td><td style="color: red;">23</td><td style="color: green;">1.8</td><td style="color: purple;">64.0</td></tr> <tr><td>1.0</td><td style="color: red;">23</td><td style="color: green;">2.0</td><td style="color: purple;">62.3</td></tr> <tr><td>4.0</td><td style="color: red;">23</td><td style="color: green;">4.0</td><td style="color: purple;">53.3</td></tr> <tr><td>8.0</td><td style="color: red;">23</td><td style="color: green;">5.8</td><td style="color: purple;">48.8</td></tr> <tr><td>10.0</td><td style="color: red;">23</td><td style="color: green;">6.5</td><td style="color: purple;">47.3</td></tr> <tr><td>16.0</td><td style="color: red;">23</td><td style="color: green;">8.2</td><td style="color: purple;">44.3</td></tr> <tr><td>20.0</td><td style="color: red;">23</td><td style="color: green;">9.3</td><td style="color: purple;">42.8</td></tr> <tr><td>25.0</td><td style="color: red;">22</td><td style="color: green;">10.4</td><td style="color: purple;">41.3</td></tr> <tr><td>31.25</td><td style="color: red;">21</td><td style="color: green;">11.7</td><td style="color: purple;">39.9</td></tr> <tr><td>62.5</td><td style="color: red;">18</td><td style="color: green;">17.0</td><td style="color: purple;">35.4</td></tr> <tr><td>100.0</td><td style="color: red;">16</td><td style="color: green;">22.0</td><td style="color: purple;">32.3</td></tr> </tbody> </table>	Frequency	SRL	Att.	NEXT	0.772	23	1.8	64.0	1.0	23	2.0	62.3	4.0	23	4.0	53.3	8.0	23	5.8	48.8	10.0	23	6.5	47.3	16.0	23	8.2	44.3	20.0	23	9.3	42.8	25.0	22	10.4	41.3	31.25	21	11.7	39.9	62.5	18	17.0	35.4	100.0	16	22.0	32.3
Frequency		SRL	Att.	NEXT																																													
0.772		23	1.8	64.0																																													
1.0		23	2.0	62.3																																													
4.0		23	4.0	53.3																																													
8.0		23	5.8	48.8																																													
10.0		23	6.5	47.3																																													
16.0		23	8.2	44.3																																													
20.0		23	9.3	42.8																																													
25.0		22	10.4	41.3																																													
31.25	21	11.7	39.9																																														
62.5	18	17.0	35.4																																														
100.0	16	22.0	32.3																																														
Description																																																	
Rating Temp : 75 Flame test : CM Product Standard Certification : UL file E200579 Application : Horizontal Wiring in LAN Standard : UL444, UL1581, TIA/EIA 568B.2																																																	
Construction & Dimension :																																																	
Conductor : Material : Annealed Bare Copper Size : 24 AWG X 2P Construction : 1 / 0.51 ± 0.01 mm Insulation : Material : HDPE Minimum Average Thickness : 0.19 mm Minimum Thickness at any point : 0.18 mm Diameter : 0.92 ± 0.02 mm																																																	
Identification : 1. BLUExWHITE/ BLUE 2. ORANGExWHITE / ORANGE																																																	
Core Assembly : Core Twist : 2 core twist Filler : NA Assembly Pair : 2 pair assembly																																																	
Taping : Mylar Foil : NA Shielded : Al-Mylar Foil : NA Braid : Tinned copper : NA Drain : Material : NA Construction : NA Jacket : Material : PVC Minimum Average Thickness : 0.45 mm Minimum Thickness at any point : 0.4 mm Diameter : 4.6 ± 0.2 mm																																																	
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0ffff;"> <th style="text-align: center;">Cross Section</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">  </td> <td style="vertical-align: middle;">                     Conductor                       Insulation                       Jacket                 </td> </tr> </tbody> </table>	Cross Section		Conductor  Insulation  Jacket																																														
Cross Section																																																	
	Conductor  Insulation  Jacket																																																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>NEX1 Technologies co., Ltd.</b>  <b>NO. 6, Lane 252, Min-Tsu E. Road.,</b>  <b>Taipei 104, Taiwan</b>                      TEL : 886-2-2518-1300    FAX : 886-2-2501-4209                 </td> </tr> </table>	<b>NEX1 Technologies co., Ltd.</b> <b>NO. 6, Lane 252, Min-Tsu E. Road.,</b> <b>Taipei 104, Taiwan</b> TEL : 886-2-2518-1300    FAX : 886-2-2501-4209																																																
<b>NEX1 Technologies co., Ltd.</b> <b>NO. 6, Lane 252, Min-Tsu E. Road.,</b> <b>Taipei 104, Taiwan</b> TEL : 886-2-2518-1300    FAX : 886-2-2501-4209																																																	
Approval	Drawing																																																