

U/UTP 4Pairs cable-category5E-PVC Sheath

Content of the Data Sheet

Sheath Printing	HIKVISION U/UTP 4PR CMX CAT5E VERIFIED TO ANSI/TIA-568-C.2 PVC ****m mm/dd/yyyy																																																																																																							
Model	DS-1LN5E-E/E																																																																																																							
Category	U/UTP CAT5E-4P-PVC																																																																																																							
Conductor	Material	Solid-Bare Copper																																																																																																						
		Content	99.95%																																																																																																					
	Nom.O.D.(mm)	0.450	up	+0.005		down	-0.005																																																																																																	
Insulation	Material	HDPE																																																																																																						
	Diameter	0.82±0.04mm																																																																																																						
Sheath	Thickness	0.50±0.05 mm			FLUKE Technical Performance (≤80m) <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>19.0</td><td>3.0</td><td>60.0</td><td>521</td></tr> <tr><td>4.0</td><td>19.0</td><td>3.9</td><td>54.8</td><td>504</td></tr> <tr><td>8.0</td><td>19.0</td><td>5.5</td><td>50.0</td><td>500</td></tr> <tr><td>10.0</td><td>19.0</td><td>6.2</td><td>48.5</td><td>498</td></tr> <tr><td>16.0</td><td>19.0</td><td>7.9</td><td>45.2</td><td>496</td></tr> <tr><td>20.0</td><td>19.0</td><td>8.9</td><td>43.7</td><td>495</td></tr> <tr><td>25.0</td><td>18.0</td><td>10.0</td><td>42.1</td><td>495</td></tr> <tr><td>31.25</td><td>17.1</td><td>11.2</td><td>40.5</td><td>494</td></tr> <tr><td>62.5</td><td>14.1</td><td>16.2</td><td>35.7</td><td>492</td></tr> <tr><td>100</td><td>12.0</td><td>21.0</td><td>32.3</td><td>491</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT ≥dB</th> <th>ELFEXT ≥dB</th> <th>PSELFEXT ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>57.0</td><td>58.6</td><td>55.6</td></tr> <tr><td>4</td><td>51.8</td><td>46.6</td><td>43.6</td></tr> <tr><td>8</td><td>47.0</td><td>40.6</td><td>37.5</td></tr> <tr><td>10</td><td>45.5</td><td>38.6</td><td>35.6</td></tr> <tr><td>16</td><td>42.2</td><td>34.5</td><td>31.5</td></tr> <tr><td>20</td><td>40.7</td><td>32.6</td><td>29.6</td></tr> <tr><td>25</td><td>39.1</td><td>30.7</td><td>27.7</td></tr> <tr><td>31.25</td><td>37.5</td><td>28.7</td><td>25.7</td></tr> <tr><td>62.5</td><td>32.7</td><td>22.7</td><td>19.7</td></tr> <tr><td>100</td><td>29.3</td><td>18.6</td><td>15.6</td></tr> </tbody> </table>	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	1	19.0	3.0	60.0	521	4.0	19.0	3.9	54.8	504	8.0	19.0	5.5	50.0	500	10.0	19.0	6.2	48.5	498	16.0	19.0	7.9	45.2	496	20.0	19.0	8.9	43.7	495	25.0	18.0	10.0	42.1	495	31.25	17.1	11.2	40.5	494	62.5	14.1	16.2	35.7	492	100	12.0	21.0	32.3	491	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	1	57.0	58.6	55.6	4	51.8	46.6	43.6	8	47.0	40.6	37.5	10	45.5	38.6	35.6	16	42.2	34.5	31.5	20	40.7	32.6	29.6	25	39.1	30.7	27.7	31.25	37.5	28.7	25.7	62.5	32.7	22.7	19.7	100	29.3	18.6	15.6
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External O.D.	4.7±0.4 mm																																																																																																							
Surface	Clean,Frap,Satiation																																																																																																							
Material	PVC(complies RoHS),CMX																																																																																																							
Color	Grey ZLC1003																																																																																																							
Surface Printing	Letter height	3.0±0.3mm																																																																																																						
	Color	Black																																																																																																						
	Print error & Space	≤±0.5%, 1m																																																																																																						
Core Color	1 White- Blue /Blue	2 White-Orange /Orange																																																																																																						
	3 White- Green /Green	4 White- Brown /Brown																																																																																																						
Packing	Wooden Tray & Carton																																																																																																							
Carton dimension	Per request																																																																																																							
Packing length	305±1.5m/80±0.5m																																																																																																							
Rip-cord	Yes	Drain wire	No																																																																																																					
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5																																																																																																						
	Elongation(%)	≥150																																																																																																						
	Aging Period(°C×hrs)	100°C×24h×7d																																																																																																						
	After Aging Tensile Strength(Mpa)	≥12.5																																																																																																						
	Elongation(%)	≥125																																																																																																						
	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks																																																																																																							
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15																																																																																																						
	1.0-100.0MHz Delay Shew (ns/100m)	≤45																																																																																																						
	DC Resistance Ω/100m) max	14.8																																																																																																						
	DC Conductor Resistance Unbalance(%) max	5.0																																																																																																						
Operating Temperature Range: -20°C~70°C																																																																																																								
Operating Voltage: 80V																																																																																																								