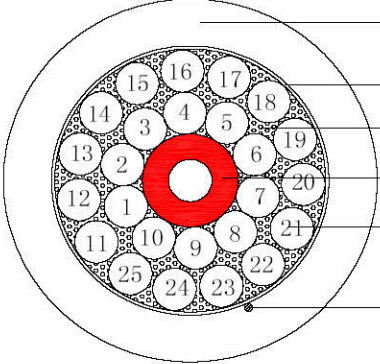


# Email Sales@selIntell.com

## 25P Cat5 UTP(Gel) Cable Specification

25*2*0.505		DATE:2008.01.12																																												
Cross Section		Performance																																												
	<p>Jacket</p> <p>PE Tape</p> <p>Gel</p> <p>Filler</p> <p>Twisted pair</p> <p>Rip cord</p>	<b>Electrical Characteristics:</b> 1.0-100.0MHz Impedance (ohms) 100 ± 15 1.0-100.0MHz Delay Skew (ns/100m) ≤45 Pair-to-Ground Capacitance Unbalance (pF/100m) ≤330 Max. Conductor DC Resistance 20°C (ohms/km) 95 Resistance Unbalance (%) ≤5																																												
Packing		Frequency Return loss Attenuation NEXT																																												
305m/drum		(MHz) (Min dB) Max (dB/100m) (Min dB)																																												
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0.772</td><td>16.7</td><td>1.8</td><td>64.0</td></tr> <tr><td>1</td><td>17.0</td><td>2.0</td><td>62.3</td></tr> <tr><td>4</td><td>18.8</td><td>4.1</td><td>53.3</td></tr> <tr><td>8</td><td>19.7</td><td>5.8</td><td>48.8</td></tr> <tr><td>10</td><td>20.0</td><td>6.5</td><td>47.3</td></tr> <tr><td>16</td><td>20.0</td><td>8.2</td><td>44.3</td></tr> <tr><td>20</td><td>20.0</td><td>9.3</td><td>42.8</td></tr> <tr><td>25</td><td>19.3</td><td>10.4</td><td>41.3</td></tr> <tr><td>31.25</td><td>18.6</td><td>11.7</td><td>39.9</td></tr> <tr><td>62.5</td><td>16.5</td><td>17.0</td><td>35.4</td></tr> <tr><td>100</td><td>15.1</td><td>22.0</td><td>32.3</td></tr> </table>	0.772	16.7	1.8	64.0	1	17.0	2.0	62.3	4	18.8	4.1	53.3	8	19.7	5.8	48.8	10	20.0	6.5	47.3	16	20.0	8.2	44.3	20	20.0	9.3	42.8	25	19.3	10.4	41.3	31.25	18.6	11.7	39.9	62.5	16.5	17.0	35.4	100	15.1	22.0	32.3
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Description		Frequency PSNEXT ELFEXT Delay																																												
Rated Temperature (°C)	70	(MHz) Min (dB) Min (dB/100m) Max (ns/100m)																																												
Rated Voltage(V)	30	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0.772</td><td>64.0</td><td>63.0</td><td>574.0</td></tr> <tr><td>1</td><td>62.3</td><td>60.8</td><td>570.0</td></tr> <tr><td>4</td><td>53.3</td><td>48.7</td><td>552.0</td></tr> <tr><td>8</td><td>48.8</td><td>42.7</td><td>546.0</td></tr> <tr><td>10</td><td>47.3</td><td>40.8</td><td>545.0</td></tr> <tr><td>16</td><td>44.3</td><td>36.7</td><td>543.0</td></tr> <tr><td>20</td><td>42.8</td><td>34.7</td><td>542.0</td></tr> <tr><td>25</td><td>41.3</td><td>32.8</td><td>541.0</td></tr> <tr><td>31.25</td><td>39.9</td><td>30.9</td><td>540.0</td></tr> <tr><td>62.5</td><td>35.4</td><td>24.8</td><td>538.0</td></tr> <tr><td>100</td><td>32.3</td><td>20.8</td><td>537.0</td></tr> </table>	0.772	64.0	63.0	574.0	1	62.3	60.8	570.0	4	53.3	48.7	552.0	8	48.8	42.7	546.0	10	47.3	40.8	545.0	16	44.3	36.7	543.0	20	42.8	34.7	542.0	25	41.3	32.8	541.0	31.25	39.9	30.9	540.0	62.5	35.4	24.8	538.0	100	32.3	20.8	537.0
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Product Standard Certification																																														
Flammability Test																																														
Construction		Mechanical Characteristics:																																												
<b>Conductor</b>	Solid Bare Copper	Test Object																																												
AWG	24	Test Material																																												
Conductor Dia. (±0.005mm)	0.505	Before Tensile Strength (Mpa)																																												
<b>Insulation</b>	PE	Aging Elongation (%)																																												
Average Thickness(mm)	0.235	Aging Condition (°Cxhrs)																																												
Min. Point Thickness(mm)	0.205	After Tensile Strength (Mpa)																																												
Insulation Dia.(±0.01mm)	0.97	Aging Elongation (%)																																												
Twisted Pair Dia.(±0.01)	1.94	Cold Bend(-20±2°Cx4hrs)																																												
Filler	PVC																																													
Gel	YES																																													
Polyester tape(W=45mm/±0.025mm)	Overage>=25%																																													
<b>Assembly Dia.(mm)</b>	10.80																																													
<b>Jacket</b>	LLDPE																																													
Average Thickness(mm)	1.20																																													
Min. Point Thickness(mm)	1.05																																													
Outer Dia.(±0.30mm)	13.20																																													
Rip Cord	Per request																																													
Color																																														
The color of the wire pair in cables																																														
Pair1 Blue-White	Pair9 Brown-Red	Pair17 Orange-Yellow																																												
Pair2 Orange-White	Pair10 Gray-Red	Pair18 Green-Yellow																																												
Pair3 Green-White	Pair11 Blue-Black	Pair19 Brown-Yellow																																												
Pair4 Brown-White	Pair12 Orange-Black	Pair20 Gray-Yellow																																												
Pair5 Gray-White	Pair13 Green-Black	Pair21 Blue-Violet																																												
Pair6 Blue-Red	Pair14 Brown-Black	Pair22 Orange-Violet																																												
Pair7 Orange-Red	Pair15 Gray-Black	Pair23 Green-Violet																																												
Pair8 Green-Red	Pair16 Blue-Yellow	Pair24 Brown-Violet																																												
	Pair25 Gray-Violet																																													
Marking																																														
25PR CAT5e ENHANCED DIRECT BURIAL (UL) OR C(UL)																																														
24 AWG 350 MHZ VERIFIED TO TIA/EIA 568B.2																																														
Zone/Jack																																														
A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce xxxxxxFT																																														