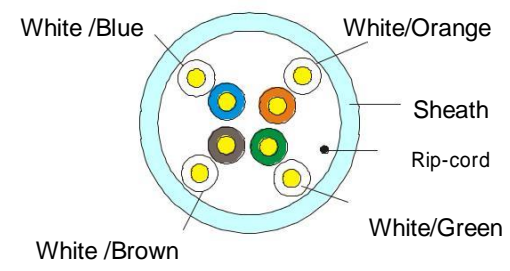


U / U T P 4Pairs cable -category5E -CMP PVC Sheath – 350MHZ

Date	Author	Review	Approve	Version	Revision Declaration																																																																																																																								
2017-12- 25				A0																																																																																																																									
Content of the Data Sheet																																																																																																																													
Sheath Printing	PSI DATA UTP CAT5e 4PR 24 AWG CMP (UL) c(UL) E164469 ▲ ETL VERIFIED TO ANSI/TIA-568-C.2 CAT 5e 350MHZ RoHS xxxxFt																																																																																																																												
Customer reference																																																																																																																													
Category	U/UTP CAT5E-4P-PVC-CMP																																																																																																																												
Test Standard	ISO/IEC11801、ANSI/TIA-568-C.2																																																																																																																												
Conductor	Material	Solid-Bare copper																																																																																																																											
	Nom.O.D.(mm)	0.490	up	+0.005																																																																																																																									
			down	-0.005																																																																																																																									
Insulation	Material	FEP																																																																																																																											
	Diameter	0.85±0.03mm																																																																																																																											
Sheath	Thickness	0.43±0.05 mm																																																																																																																											
	External O.D.	4.8±0.3mm																																																																																																																											
	Surface	Clean,Frap,Satiation																																																																																																																											
	Material	CMP PVC (complies RoHS)																																																																																																																											
	Color	According to the requires																																																																																																																											
Surface Printing	Letter height	3.0±0.3mm																																																																																																																											
	Color	Black																																																																																																																											
	Print error & Space	≤±0.5%, 1m																																																																																																																											
Core Color	1 White /Blue	2 White/Orange																																																																																																																											
	3 White/Green	4 White /Brown																																																																																																																											
Packing	Wooden Tray & Carton																																																																																																																												
Carton dimension	According to the requires																																																																																																																												
Packing length	(305±1.5)m																																																																																																																												
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) 8xCable O.D., No visible cracks																																																																																																																												
Electrical Characteristics (20°C)	1.0-100.0MHz Impedance(Ω)	100±15																																																																																																																											
	100-350 MHz Impedance(Ω)	reference values																																																																																																																											
	1.0-350.0MHz Delay Shew (ns/100m)	≤45																																																																																																																											
	DC Resistance (Ω/100m) max	9.5																																																																																																																											
	DC Conductor Resistance Unbalance(%) max 5.0																																																																																																																												
																																																																																																																													
Technical Performance : <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Fre. MHz</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>Phase DELAY ≤ns</th> <th>PSNEXT ≥dB</th> <th>ELFEXT ≥dB</th> <th>PSELFEXT ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.0</td><td>65.3</td><td>570.00</td><td>62.3</td><td>63.8</td><td>60.8</td></tr> <tr><td>4</td><td>23.0</td><td>4.1</td><td>56.3</td><td>552.00</td><td>53.3</td><td>51.8</td><td>48.8</td></tr> <tr><td>8</td><td>24.5</td><td>5.8</td><td>51.8</td><td>546.73</td><td>48.8</td><td>45.7</td><td>42.7</td></tr> <tr><td>10</td><td>25.0</td><td>6.5</td><td>50.3</td><td>545.38</td><td>47.3</td><td>43.8</td><td>40.8</td></tr> <tr><td>16</td><td>25.0</td><td>8.2</td><td>47.2</td><td>543.00</td><td>44.4</td><td>39.7</td><td>36.7</td></tr> <tr><td>20</td><td>25.0</td><td>9.3</td><td>45.8</td><td>542.05</td><td>42.8</td><td>37.8</td><td>34.8</td></tr> <tr><td>25</td><td>24.3</td><td>10.4</td><td>44.3</td><td>541.20</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>540.44</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>538.55</td><td>35.4</td><td>27.9</td><td>24.9</td></tr> <tr><td>100</td><td>20.1</td><td>22.0</td><td>35.3</td><td>537.60</td><td>32.3</td><td>23.8</td><td>20.8</td></tr> <tr><td>*155</td><td>18.0</td><td>28.1</td><td>32.4</td><td>536.90</td><td>29.4</td><td>20</td><td>17</td></tr> <tr><td>*200</td><td>17.4</td><td>32.4</td><td>30.8</td><td>536.50</td><td>27.8</td><td>17.8</td><td>14.8</td></tr> <tr><td>*300</td><td>16.5</td><td>41.8</td><td>29.3</td><td>536.10</td><td>26.3</td><td>14.3</td><td>11.3</td></tr> <tr><td>*350</td><td>16.0</td><td>44.9</td><td>27.1</td><td>535.90</td><td>24.1</td><td>12.9</td><td>9.9</td></tr> </tbody> </table>						Fre. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	1	20.0	2.0	65.3	570.00	62.3	63.8	60.8	4	23.0	4.1	56.3	552.00	53.3	51.8	48.8	8	24.5	5.8	51.8	546.73	48.8	45.7	42.7	10	25.0	6.5	50.3	545.38	47.3	43.8	40.8	16	25.0	8.2	47.2	543.00	44.4	39.7	36.7	20	25.0	9.3	45.8	542.05	42.8	37.8	34.8	25	24.3	10.4	44.3	541.20	41.3	35.8	32.8	31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9	62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9	100	20.1	22.0	35.3	537.60	32.3	23.8	20.8	*155	18.0	28.1	32.4	536.90	29.4	20	17	*200	17.4	32.4	30.8	536.50	27.8	17.8	14.8	*300	16.5	41.8	29.3	536.10	26.3	14.3	11.3	*350	16.0	44.9	27.1	535.90	24.1	12.9	9.9
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Note: The fire retardant of the outer sheath should be comply with national standard.																																																																																																																													