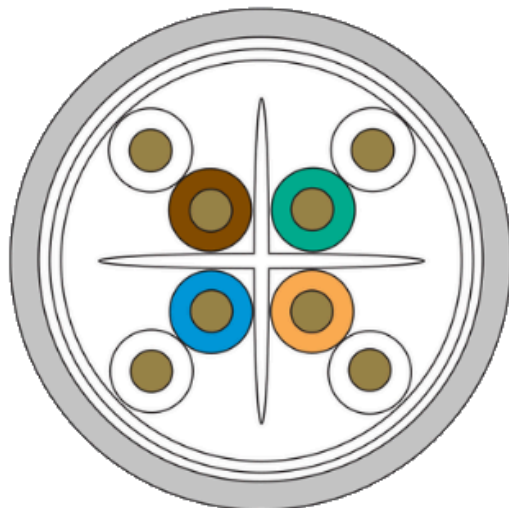


GIGALAN

U-UTP KABEL 4X2XXAWG23 KAT. 6A LSZH HVID



ANVENDELSE

Anvendes til højhastighedskabelsystemer, hvor behovet for stor datatrafik er til stede.

SPECIFIKATION

- Kategori: 6A /U-UTP
- Transmissionshastighed: 10Gbps
- Frekvens: 500 Mhz
- Impedans: 100 +/- 15 ohm
- NVP værdi: 74 %
- EMC klasse: C
- CPR: Dca
- Standard: EN50575
- DoP dok.: GL-122185
- Antal par: 4 par
- Leder: AWG23 massiv kobber
- Lederisolation: PE
- Kappe: LSZH, hvid, RAL 9003
- UV-beständig: Ja
- Standard: EIA/TIA 568B. ISO/IEC 11801. EN 50173-2
- Oplægning: Tromle 500 mtr.



- Varenr.: 122185
- EANnr.: 5706683028748



U-UTP Kabel 4x2xxAWG23 Kat. 6A LSZH hvid

Content of the Data Sheet																																																																																				
Sheath Printing																																																																																				
Customer No.		Customer Reference																																																																																		
Category	U/UTP CAT6A-4P-LSZH																																																																																			
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D																																																																																			
Conductor	Material	Solid-Bare Copper																																																																																		
	Nom.O.D.(mm)	0.565	up	+0.005	down	-0.005																																																																														
Insulation	Material	HDPE																																																																																		
	Diameter	1.12±0.05mm																																																																																		
Wrapping	Polyester Tape+Isolation Wrap																																																																																			
Sheath	Thickness	0.55±0.05 mm																																																																																		
	External O.D.	7.2±0.5 mm																																																																																		
	Surface	Clean,Frap,Satiation																																																																																		
	Material	LSZH(complies RoHS)																																																																																		
	Color	White																																																																																		
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	Drum																																																																																			
Carton dimension	According to the requires																																																																																			
Packing length	305±1.5m																																																																																			
Rip-cord	Yes	Drain wire	No																																																																																	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0																																																																																		
	Elongation(%)	≥125																																																																																		
	Aging Period (°C×hrs)	100°C×24h×7d																																																																																		
	After Aging Tensile Strength(Mpa)	≥8.0																																																																																		
	Elongation(%)	≥100																																																																																		
Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks																																																																																				
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15																																																																																	
		250.0-500.0MHz	100±22																																																																																	
	1.0-500.0MHz Delay Skew (ns/100m)	≤45																																																																																		
	DC Resistance (Ω/100m) max	9.38																																																																																		
	DC Conductor Resistance Unbalance (%) max	5.0																																																																																		
Technical Performance (100m) : <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>PSNEXT ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>—</td><td>74.3</td><td>72.3</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.8</td><td>65.3</td><td>63.3</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.3</td><td>60.8</td><td>58.8</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.9</td><td>59.3</td><td>57.3</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.5</td><td>56.2</td><td>54.2</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.4</td><td>54.8</td><td>52.8</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.4</td><td>53.3</td><td>51.3</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.5</td><td>51.9</td><td>49.9</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.0</td><td>47.4</td><td>45.4</td></tr> <tr><td>100</td><td>20.1</td><td>19.1</td><td>44.3</td><td>42.3</td></tr> <tr><td>200</td><td>18.0</td><td>27.6</td><td>39.8</td><td>37.8</td></tr> <tr><td>250</td><td>17.3</td><td>31.1</td><td>38.3</td><td>36.3</td></tr> <tr><td>300</td><td>16.8</td><td>34.3</td><td>37.1</td><td>35.1</td></tr> <tr><td>500</td><td>15.2</td><td>45.3</td><td>33.8</td><td>31.8</td></tr> </tbody> </table>										Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PSNEXT ≥dB	1	20.0	—	74.3	72.3	4.0	23.0	3.8	65.3	63.3	8.0	24.5	5.3	60.8	58.8	10.0	25.0	5.9	59.3	57.3	16.0	25.0	7.5	56.2	54.2	20.0	25.0	8.4	54.8	52.8	25.0	24.3	9.4	53.3	51.3	31.25	23.6	10.5	51.9	49.9	62.5	21.5	15.0	47.4	45.4	100	20.1	19.1	44.3	42.3	200	18.0	27.6	39.8	37.8	250	17.3	31.1	38.3	36.3	300	16.8	34.3	37.1	35.1	500	15.2	45.3	33.8	31.8
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PSNEXT ≥dB																																																																																
1	20.0	—	74.3	72.3																																																																																
4.0	23.0	3.8	65.3	63.3																																																																																
8.0	24.5	5.3	60.8	58.8																																																																																
10.0	25.0	5.9	59.3	57.3																																																																																
16.0	25.0	7.5	56.2	54.2																																																																																
20.0	25.0	8.4	54.8	52.8																																																																																
25.0	24.3	9.4	53.3	51.3																																																																																
31.25	23.6	10.5	51.9	49.9																																																																																
62.5	21.5	15.0	47.4	45.4																																																																																
100	20.1	19.1	44.3	42.3																																																																																
200	18.0	27.6	39.8	37.8																																																																																
250	17.3	31.1	38.3	36.3																																																																																
300	16.8	34.3	37.1	35.1																																																																																
500	15.2	45.3	33.8	31.8																																																																																
<table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>ELFEXT ≥dB</th> <th>PSELFEXT ≥dB</th> <th>PSANEXT ≥dB</th> <th>PSAACRF ≥dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>67.8</td><td>64.8</td><td>67.0</td><td>67.0</td></tr> <tr><td>4</td><td>55.8</td><td>52.8</td><td>67.0</td><td>66.2</td></tr> <tr><td>8</td><td>49.7</td><td>46.7</td><td>67.0</td><td>60.1</td></tr> <tr><td>10</td><td>47.8</td><td>44.8</td><td>67.0</td><td>58.2</td></tr> <tr><td>16</td><td>43.7</td><td>40.7</td><td>67.0</td><td>54.1</td></tr> <tr><td>20</td><td>41.8</td><td>38.8</td><td>67.0</td><td>52.2</td></tr> <tr><td>25</td><td>39.8</td><td>36.8</td><td>67.0</td><td>50.2</td></tr> <tr><td>31.25</td><td>37.9</td><td>34.9</td><td>67.0</td><td>48.3</td></tr> <tr><td>62.5</td><td>31.9</td><td>28.9</td><td>65.6</td><td>42.3</td></tr> <tr><td>100</td><td>27.8</td><td>24.8</td><td>62.5</td><td>38.2</td></tr> <tr><td>200</td><td>21.8</td><td>18.8</td><td>58.0</td><td>32.2</td></tr> <tr><td>250</td><td>19.8</td><td>16.8</td><td>56.5</td><td>30.2</td></tr> <tr><td>300</td><td>18.3</td><td>15.3</td><td>55.3</td><td>28.7</td></tr> <tr><td>500</td><td>13.8</td><td>10.8</td><td>52.0</td><td>24.2</td></tr> </tbody> </table>										Frequency (MHz)	ELFEXT ≥dB	PSELFEXT ≥dB	PSANEXT ≥dB	PSAACRF ≥dB	1	67.8	64.8	67.0	67.0	4	55.8	52.8	67.0	66.2	8	49.7	46.7	67.0	60.1	10	47.8	44.8	67.0	58.2	16	43.7	40.7	67.0	54.1	20	41.8	38.8	67.0	52.2	25	39.8	36.8	67.0	50.2	31.25	37.9	34.9	67.0	48.3	62.5	31.9	28.9	65.6	42.3	100	27.8	24.8	62.5	38.2	200	21.8	18.8	58.0	32.2	250	19.8	16.8	56.5	30.2	300	18.3	15.3	55.3	28.7	500	13.8	10.8	52.0	24.2
Frequency (MHz)	ELFEXT ≥dB	PSELFEXT ≥dB	PSANEXT ≥dB	PSAACRF ≥dB																																																																																
1	67.8	64.8	67.0	67.0																																																																																
4	55.8	52.8	67.0	66.2																																																																																
8	49.7	46.7	67.0	60.1																																																																																
10	47.8	44.8	67.0	58.2																																																																																
16	43.7	40.7	67.0	54.1																																																																																
20	41.8	38.8	67.0	52.2																																																																																
25	39.8	36.8	67.0	50.2																																																																																
31.25	37.9	34.9	67.0	48.3																																																																																
62.5	31.9	28.9	65.6	42.3																																																																																
100	27.8	24.8	62.5	38.2																																																																																
200	21.8	18.8	58.0	32.2																																																																																
250	19.8	16.8	56.5	30.2																																																																																
300	18.3	15.3	55.3	28.7																																																																																
500	13.8	10.8	52.0	24.2																																																																																
Version	A/01	Date	2017-09-18	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua																																																																											

OM LAN-COM

LAN-COM A/S har siden 1991 leveret driftssikre netværksløsninger, bl.a. med egne systemer som GIGA-LAN (kobber) og LAN-OPTIC (fiber) designet til danske krav samt dag-til-dag levering fra Smørum. Vi er en stærk partner på både små installationer og de helt store projekter.

