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Smartere datakabling fra ende til anden

U-UTP Datakabel 4x2xAWG23 Kategori 6

Specifikation

- Kategori 6 U/UTP
- Transmissionshastighed: 1Gbps
- Frekvens: 250 Mhz
- Impedans: 100 +/- 15 ohm
- NVP værdi: 69 %
- Antal par: 4 par
- Leder: AWG23 massiv kobber
- Lederisolation: PE
- Kappe: LSZH, PVC, PE
- Kappefarve: LSZH/PVC, Hvid
- Kappefarve: PE, Sort
- Standard: EIA/TIA 568B.
  ISO/IEC 11801. EN50173-2
- Oplægning: Tromle 500 mtr.

Anvendelse

Anvendes i et struktureret kabelsystem mellem krydsfelt og udtag for transmission af tele- og højhastighedsdata.

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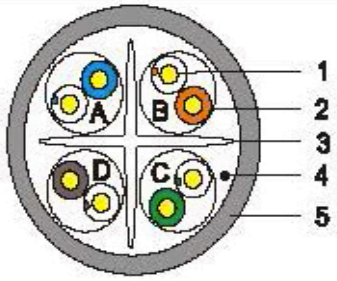
TECHNICAL DATA SHEET

REF : UTP 4 pairs cable - category 6 - 250MHz – CM/LSZH Sheath

Sheath Printing	It will be printed as customer's requirement with batch produce.				
Category	UTP/CAT6-4P-LSZH				
Test Standard	ISO/IEC 11801、TIA/EIA 568B YD/T1019-2001				
1. Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.565	Up	+0.005	
			Down	-0.005	
2. Insulation	Material	HDPE			
	Diameter	1.025±0.02mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
4. Rip-cord	Yes	Drain wire		No	
5. Sheath	Thickness	0.55±0.05 mm			
	External O.D.	6.3±0.3 mm			
	Surface	Clean,Frap,Satiation			
	Material	CM/LSZH(complies RoHS)			
	Color	Multiple			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Packing	Carton, pallet				
Carton dimension	42*42*21cm				
Packing length	305 M & 500 M				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		
		Elongation (%)	≥150		
	Aging Period (℃×hrs)	100℃×24h×7d			
	After Aging	Tensile Strength (Mpa)	≥12.5		
		Elongation (%)	≥125		
	Cold bend (-20±2℃×4h)	No visible cracks			
Electrical Characteristics (20℃)	1.0-250.0MHz, Characteristic impedance (Ω) 100±15				
	1.0-250.0MHz, Delay Shew 20℃(ns/100m)	≤45			
	DC Resistance 20℃(Ω/100m) max	9.38			
	DC Conductor Resistance Unbalance (%)max	2.5			



Technical Performance (100m):

	(20℃)			
	RL	ATT	NEXT	DELAY
(MHz)	≥dB	≤dB	≥dB	≤ns
1	20.0	1.9	74.0	570.00
4.0	23.0	3.7	65.0	552.00
8.0	24.5	5.3	60.7	546.73
10.0	25.0	5.9	59.0	545.38
16.0	25.0	7.5	56.0	543.00
20.0	25.0	8.4	55.0	542.05
25.0	24.3	9.5	53.3	541.20
31.25	23.6	10.6	52.0	540.44
62.5	21.5	15.4	47.0	538.55
100	20.1	19.8	44.0	537.60
200	18.0	29.0	40.0	536.54
250	17.3	32.8	38.0	536.27

	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≥dB	≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	48.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	41.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0

3. Plastic Separator : O.D 4.5mm, Nom thickness : 0.45mm, complies RoHS

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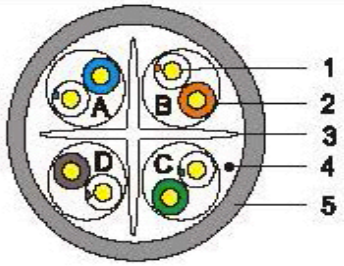
TECHNICAL DATA SHEET

REF : UTP 4 pairs cable - category 6 - 250MHz - PVC Sheath

Sheath Printing	It will be printed as customer's requirement with batch produce.				
Category	UTP/CAT6-4P-PVC				
Test Standard	ISO/IEC 11801、TIA/EIA 568B YD/T1019-2001				
1. Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.565	Up	+0.005	
			Down	-0.005	
2. Insulation	Material	HDPE			
	Diameter	1.025±0.02mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
4. Rip-cord	Yes	Drain wire		No	
5. Sheath	Thickness	0.55±0.05 mm			
	External O.D.	6.1±0.3 mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC(complies RoHS)			
	Color	Multiple			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Packing	Carton, Wooden Reel				
Carton dimension	42*42*21cm				
Packing length	500 M				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)		≥13.5	
		Elongation (%)		≥150	
	Aging Period (℃×hrs)	100℃×24h×7d			
	After Aging	Tensile Strength (Mpa)		≥12.5	
		Elongation (%)		≥125	
	Cold bend (-20±2℃×4h)	No visible cracks			
Electrical Characteristics (20℃)	1.0-250.0MHz, Characteristic impedance (Ω)	100±15			
	1.0-250.0MHz, Delay Shew 20℃(ns/100m)	≤45			
	DC Resistance 20℃(Ω/100m) max	9.38			
	DC Conductor Resistance Unbalance (%)max	2.5			



Transmission Performance(100m):

(20℃)

(MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	20.0	1.9	74.0	570.00
4.0	23.0	3.7	65.0	552.00
8.0	24.5	5.3	60.7	546.73
10.0	25.0	5.9	59.0	545.38
16.0	25.0	7.5	56.0	543.00
20.0	25.0	8.4	55.0	542.05
25.0	24.3	9.5	53.3	541.20
31.25	23.6	10.6	52.0	540.44
62.5	21.5	15.4	47.0	538.55
100	20.1	19.8	44.0	537.60
200	18.0	29.0	40.0	536.54
250	17.3	32.8	38.0	536.27

(MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0

3. Plastic Separator : O.D 4.5mm, Nom thickness : 0.45mm.

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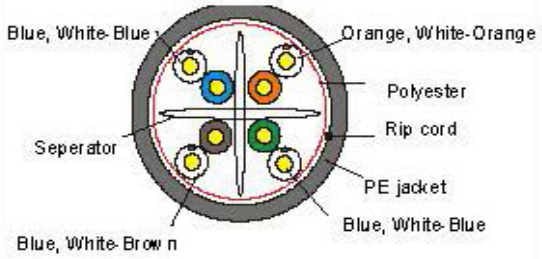
TECHNICAL DATA SHEET

REF : UTP 4 pairs cable - category 6 - 250MHz – PE jacket

Sheath Printing	It will be printed as customer's requirement with batch produce.				
Category	UTP/CAT6-4P-PE				
Test Standard	ISO/IEC 11801、TIA/EIA 568B YD/T1019-2001				
1. Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.565	Up	+0.005	
			Down	-0.005	
2. Insulation	Material	HDPE			
	Diameter	1.025±0.03mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
3. Rip-cord	Yes	Drain wire		No	
4. Sheath	Thickness	0.60±0.05 mm			
	External O.D.	6.5±0.3 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE(complies RoHS)			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±0.5%, 1m			
Packing	Plywood, pallet				
Packing dimension	As per request				
Packing length	500 M				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10		
		Elongation (%)	≥350		
	Aging Period (℃×hrs)	100℃×24h×7d			
	After Aging	Elongation (%)	≥300		
	Cold bend (-20±2℃×4h)	No visible cracks			
Electrical Characteristics (20℃)	1.0-250.0MHz, Characteristic impedance (Ω) 100±15				
	1.0-250.0MHz, Delay Shew 20℃(ns/100m)	≤45			
	DC Resistance 20℃(Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance (%)max	5.0			



Technical Performance (100m):

	RL	ATT	NEXT	DELAY
	(20℃)			
(MHz)	≥dB	≤dB	≥dB	≤ns
1	20.0	1.9	74.0	570.00
4.0	23.0	3.7	65.0	552.00
8.0	24.5	5.3	60.7	546.73
10.0	25.0	5.9	59.0	545.38
16.0	25.0	7.5	56.0	543.00
20.0	25.0	8.4	55.0	542.05
25.0	24.3	9.5	53.3	541.20
31.25	23.6	10.6	52.0	540.44
62.5	21.5	15.4	47.0	538.55
100	20.1	19.8	44.0	537.60
200	18.0	29.0	40.0	536.54
250	17.3	32.8	38.0	536.27

	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≥dB	≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	48.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	41.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0

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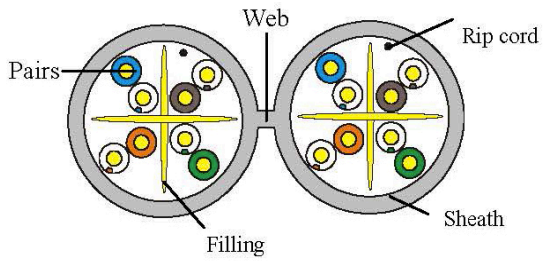
REF : DUPLEX UTP 4 pairs cable - category 6 - 250MHz - LSZH Sheath

ZLL 04020054 CORD: A-100923-3

Sheath Printing	It will be printed as customer's requirement with batch produce.			
Category	DUPLEX UTP/CAT6-4P-LSZH			
Test Standard	ISO/IEC11801、TIA/EIA 568B YD/T1019-2001			
1. Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.565	Up	+0.005
			Down	-0.005
2. Insulation	Material	HDPE		
	Diameter	1.02±0.04mm		
Color	A.Blue, White-Blue	B.Orange,White-Orange		
	C.Green,White-Green	D.Brown, White-Brown		
3. Rip-cord	Yes	Drain wire	No	
4. Sheath	Thickness	0.55±0.05 mm		
	External O.D.	(6.4/13..0)±0.4mm		
	Surface	Clean,Frap,Satiation		
	Material	LSZH(RoHS Complied)		
	Color	Multiple		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%，1m		
Packing	Drum in Carton			
Carton dimension	——			
Packing length	500 M			
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation (%) ≥125			
	Aging Period (℃×hrs) 100℃×24h×7d			
	After Aging Tensile Strength (Mpa) ≥8.0 Elongation (%) ≥100			
	Cold bend (-20±2℃×4h) No visible cracks			
Electrical Characteristics (20℃)	1.0-250.0MHz, Characteristic impedance (Ω) 100±15			
	1.0-250.0MHz, Delay Shew 20℃(ns/100m) ≤45			
	DC Resistance 20℃(Ω/100m) max 9.38			
	DC Conductor Resistance Unbalance (%)max 5.0			



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	41.3	39.8	36.8
31.25	49.9	37.9	34.9
62.5	45.4	31.9	28.9
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8