



1. Aplicación

- Cumple o supera los requisitos de las normas ANSI/TIA-568-C.2 Categoría 6 e ISO 11801 2.ª Edición de canal Clase E
- Revestimiento del cable: Lszh
- Cumple o supera los requisitos de las normas ANSI/TIA-568-C.2 e IEC 61156-5 para componentes de Categoría 6
- Cumple con los requisitos de IEEE 802.3af e IEEE 802.3at para aplicaciones PoE
- Probado por terceros para cumplir con la norma ANSI/TIA/EIA-568-C.2
- Características eléctricas
- Impedancia: 1-250 MHz 100 ± 15 (ohmios)
- Temperatura nominal: 75 °C
- Desequilibrio de resistencia de CC (%): Máx. 2,5
- Resistencia de CC a 20 °C: 8 4 (Ohms/100 m)
- Desequilibrio de capacitancia par-tierra: 330 (pF/100 m)
- Resistencia de aislamiento: > 5000 M Ω *Km
- Rigidez dieléctrica: CC 2500 V²S

2. Specification

Conductor:	Solid Bare Copper 23AWG
Insulation:	HDPE
Cores:	8C, twisted in 4 pairs
Color Code:	White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown
Individual Pair Shield:	None
Overall Shield:	None
Drain Wire:	None

3. Nominal Transmission Characteristics

Frequency (MHz)	RL (min) (dB)	IL (max) (dB/100m)	DOP (max) (ns/100m)	Delay Skew (max) (ns/100m)	NEXT (min) (dB)	PSNEXT (min) (dB)	ACR-F (min) (dB/100m)	PSACR-F (min) (dB/100m)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47	45	31.8	28.8
100	20.1	19.8	537	45	44.3	42.3	27.8	24.8
200	18.0	29.0	536	45	39.7	37.7	21.7	18.9
250	17.3	32.8	535	45	38	36	19.8	16.8



ITEM	DESCRIPTIONS
KDUT8004-LSZH	4P*23AWG (Solid)
KDUT8004-LSZH	4P*24AWG (Strand)
KDUT8004S-26AWG (LSZH)	4P*26AWG (Strand)

Product Description: Rated temperature: 90℃ Reference Standard:UL444,UL1581 Bare solid copper conductor Rohs/REACH complied LSZH Jacket Flame Test: IEC60332-1 ,IEC60332-3C Installation temperature:-30℃~+50℃				Application: 100Base-TX 100Base-T 100VG-AnyLAN 1000Base-T(Gigabit Ethernet) 1000Base-TX ATM Noisy Environments				
Content of the Data Sheet								
Category	U/UTP CAT6-4P-LSZH							
Test Standard	ISO/IEC11801、TIA-568-C.2、YD/T1019							
Conductor	Material	Solid-Bare Copper						
	Nom.O.D.(mm)	0.570	up	+0.005	down	-0.005		
Insulation	Material	HDPE						
	Diameter	1.02±0.03mm						
Sheath	Thickness	0.55±0.05 mm						
	External O.D.	6.3±0.4 mm						
	Surface	Clean,Frapsatiation						
	Material	LSZH						
	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 /Blue	2 White-Orange /Orange						
	3 White-Green /Green	4 White- Brown /Brown						
Packing	Wooden Tray & Carton							
Carton dimension	40.5*40.5*21cm							
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 (℃×hrs) 100℃×24h×7d			
					After Aging Tensile Strength(Mpa) ≥ 8.0			
					Elongation(%) ≥ 100			
				Cold bend(-20±2℃×4h) 8×Cable O.D., No visible cracks				
				Electrical Characteristics (20℃)	1.0-250.0MHz Impedance ((Ω))		100±15	
					1.0-250.0MHz Delay Shew (ns/100m)		≤45	
					NVP		69%	
					Capacitance(nF/100m) max:		5.6	
					DC Resistance (Ω/100m) max		9.5	
				DC Conductor Resistance Unbalance (%) max		5.0		

