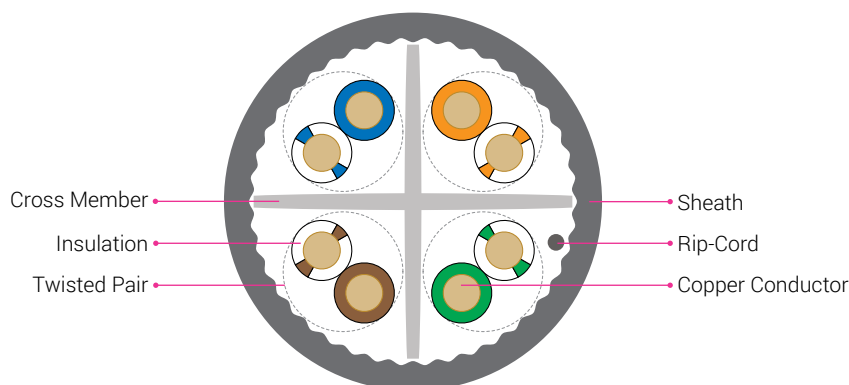


HUBNETIX Category 6A

U/UTP 4 Pair 23AWG PVC / LSZH Cable



Description

HUBNETIX U/UTP Category 6A copper cables are used to integrate telephony applications of LAN. The Conductors are 23AWG copper insulated with HDPE polymer. The copper conductors are twisted in pairs and covered by a PVC / LSZH Sheath. These cable has been tested by an independent laboratory and complies with the international ANSI/TIA-568-C.2 standards.

Specifications

Category	Category 6A U/UTP 4 Pair 23AWG Cable, PVC/LSZH			
Test Standard	ISO/IEC11801, TIA-568-C.2, YD/T1019			
Reference Standard	PVC: UL444, UL1581, UL1666			
	LSZH: UL444, UL1581			
Conductor	Material	Solid-Bare Copper		
	Nominal Outer Diametre	0.570 ± 0.005 mm		
Insulation	Material	HDPE		
	Diametre	1.03±0.03mm		
Sheath	Thickness	0.70±0.05 mm (Average)		
	External Outer Diametre	7.6±0.4 mm		
	Surface	Clean, Frap, Satiation		
	Material	RoHS/REACH complied PVC/LSZH		
	Color	Multiple (As per request)		
Rip-Cord	Yes			
Drain wire	No			
Sheath Physical Properties	Before Aging			
	Tensile Strength (Mpa)	PVC	≥13.5	LSZH
	Elongation (%)		≥150	
	Aging Period (°C × hrs)	100°C × 24h × 7d		
	After Aging			
	Tensile Strength (Mpa)	PVC	≥12.5	LSZH
	Elongation (%)		≥125	
	Cold bend			
	(-20 ± 2°C × 4h) 8×Cable O.D.			No visible cracks
	Electrical Characteristics (20°C)	1.0 - 250.0MHz, Characteristic Impedance (Ω)		100 ± 15
1.0 - 250.0MHz, Delay Skew (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		
Installation Temperature	-30°C ~ +50°C			

Category 6A

U/UTP 4 Pair 23AWG PVC / LSZH Cable



Application

- VoIP / ISDN /
- Token, 100M TP-PDM
- Analong and Data Video
- TR-16 Active And Passive
- 155M / 662M / 1.2GATM
- IEEE 802.3: 10Base - T; 100Base - T; 1000Base - T; 10GBase - T

Technical performance

Frequency MHz	RL ≥dB / 100m	Attenuation ≤dB / 100m	NEXT ≥dB / 100m	PHASE DELAY ≤ns / 100m	PS NEXT ≥dB / 100m	ELFEXT ≥dB / 100m	PS ELFEXT ≥dB / 100m
1	20.0	2.1	74.3	570.00	72.3	67.8	64.8
4	23.0	34.3	65.3	552.00	63.3	55.8	52.8
8	24.5	5.3	60.8	546.70	58.8	49.7	46.7
10	25.0	5.9	59.3	545.40	57.3	47.8	44.8
16	25.0	7.5	56.2	543.00	54.2	43.7	40.7
20	25.0	8.4	54.8	542.10	52.8	41.8	38.8
25	24.3	9.4	53.3	541.20	41.3	39.8	36.8
31.25	23.6	10.5	51.9	540.40	49.9	37.9	34.9
62.5	21.5	15.0	47.7	538.60	45.4	31.9	28.9
100	20.1	19.1	44.3	537.60	42.3	27.8	24.8
200	18.0	27.6	39.8	536.50	37.8	21.8	18.8
250	17.3	31.1	38.3	536.30	36.3	19.8	16.8
300	16.8	34.3	37.1	536.10	35.1	18.3	15.3
500	15.2	45.3	33.8	535.60	31.8	13.8	10.8

Ordering Info

Item Number	Construction	Conductor AWG	No. of Pairs	Type of Sheath
HLZ-6AU0423A-01XX	U/UTP	23	4	PVC
HLZ-6AU0423A-03XX	U/UTP	23	4	LSZH

•XX- BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)

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The dimensions and specifications in this document are for reference purposes only and are subject to change without notice. Consult HUBNETIX Corp. for the latest dimensions and design specifications.

