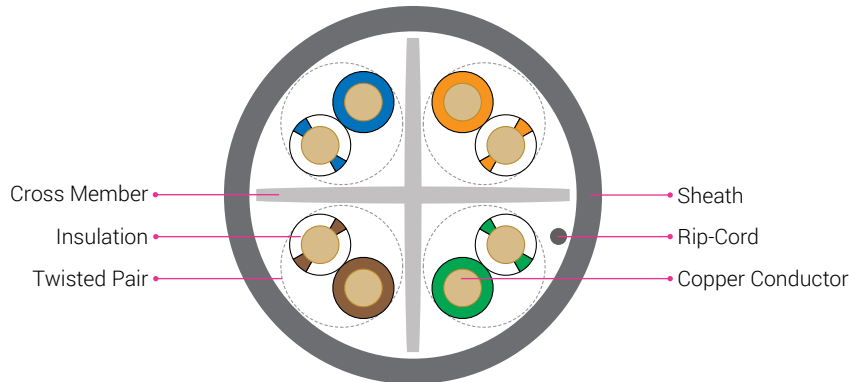


HUBNETIX Category 6

U/UTP 4 Pair 24 AWG PVC Sheath Cable



Description

HUBNETIX U/UTP Category 6 copper cables are used to integrate telephony applications of LAN. The Conductors are 24 AWG copper insulated with HDPE polymer. The copper conductors are twisted in pairs and covered by a PVC Sheath. These cable has been tested by an independent laboratory and complies with the international ANSI/TIA-568-C.2 standards.

Specifications

Category	Category 6, U/UTP 4 Pair PVC Sheath	
Test Standard	ISO/IEC11801, TIA-568-C.2, YD/T1019	
Conductor	Material	Oxygen Free copper
	Nominal Outer Diametre	0.530 ± 0.005 mm
Insulation	Material	HDPE
	Diametre	0.95±0.03mm
Sheath	Thickness	0.55±0.05 mm
	External Outer Diametre	6.1±0.4 mm
	Surface	Clean, Frap, Satiation
	Material	PVC (Complies RoHS)
	Color	Multiple (As per request)
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) 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
	DC Resistance (Ω/100m) max	9.5
	DC Conductor Resistance Unbalance (%)max	5.0

Category 6

U/UTP 4 Pair 24 AWG PVC Sheath Cable



Application

- VoIP / ISDN /
- Token, 100M TP-PDM
- Analog 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	2.03	74.3	570.00	72.3	67.8	64.8
4	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25	24.3	9.51	53.3	541.20	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

Ordering Info

Item Number	Construction	Conductor AWG	No. of Pairs	Type of Sheath
HLZ-C6U0424A-01XX	U/UTP	24	4	PVC

•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.

