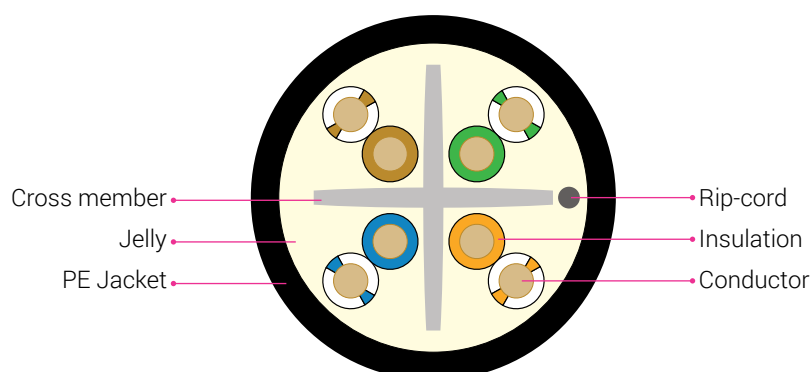


# HUBNETIX Category 6

## U/UTP 4 Pair 250MHz PE Sheath Jelly Cable



### Description

HUBNETIX U/UTP Category 6 copper cable as per ANSI/TIA-568-C.2 and ISO/IEC-11801 2nd Edition Class E channel standards. The Conductors are 23 AWG copper insulated with HDPE polymer. The copper conductors are twisted in pairs, parted by a cross divider and covered by a PE jacket. These cables are characterised to 250MHz.

### Specifications

Category	Category 6, U/UTP 4 Pair 250MHz PE Sheath Jelly Cable	
Test Standard	ISO/IEC11801, TIA-568C.2	
Conductor	Material	Solid Bare Copper
	Nominal Outer Diametre	0.570 ± 0.005 mm
Insulation	Material	HDPE
	Diametre	1.09 ± 0.03 mm
Color	A. Blue, White - Blue	B. Orange, White - Orange
	C. Green, White - Green	D. Brown, White - Brown
	Thickness	
	0.60 ± 0.05 mm	
Sheath	External Outer Diametre	
	6.8 ± 0.8 mm	
	Surface	
	Clean, Frap, Satiation	
	Material	LDPE
	Color	Black
Rip-cord	Yes	
Drain wire	No	
Sheath Physical Properties	Before Aging	
	Elongation (%)	≥350
	Aging Period (°C × hrs)	100°C × 24h × 10d
	After Aging	
	Elongation (%)	≥300
	Cold bend	
	(-20 ± 2°C × 4h)	8 × Cable O.D.
Electrical Characteristics (20°C)	1.0 - 250.0MHz, Characteristic impedance (Ω)	
	100 ± 15	
	1.0 - 250.0MHz, Delay Skew 20°C (ns/100m)	
	≤45	
DC Resistance 20°C (Ω/100m) max		9.38
DC Conductor Resistance Unbalance (%)max		5.0

## U/UTP 4 Pair 250MHz PE Sheath Jelly Cable



## 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	19.1	3	65	498	62	64.2	61.2
4	21	3.5	64.1		61.8	52.1	49.1
8	21	5	59.4		57	46.1	43.1
10	21	5.5	57.8		55.5	44.2	41.2
16	20	7	54.6		52.2	40.1	37.1
20	19.5	7.9	53.1		50.7	38.2	35.2
25	19	8.9	51.5		49.1	36.2	33.2
31.25	18.5	10	50		47.5	34.3	31.3
62.5	16	14.4	45.1		42.7	28.3	25.3
100	14	18.6	41.8		39.3	24.2	21.2
200	11	27.4	36.9		34.3	18.2	15.2
250	10	31.1	35.3		32.7	16.2	13.2

## Ordering Info

Item Number	Construction	Conductor AWG	No. of Pairs	Type of Jacket	Remark
<b>HLZ-C6U0423-02J</b>	U/UTP	23	4	PE	Jelly Filled

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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.

