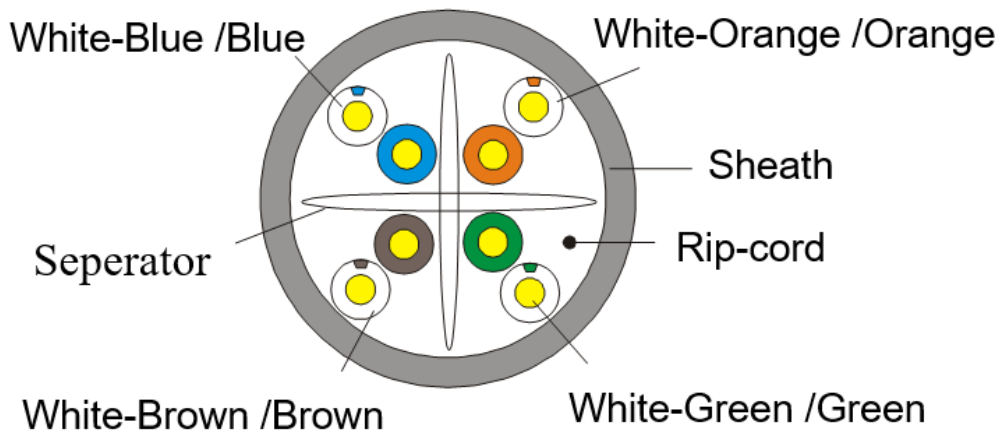


## Product Overview

The Giganet Category 6 U/UTP 23 AWG solid 4 pair UTP LSOH cable meet performance standard and provides a considerable margin above all electrical transmission performance requirements and has been tested to exceed standards.

The cable is rated to 250Mhz and supports Gigabit Ethernet, Power over ethernet (POE) and Audio / Visual (AV) and broadband Video transmissions. The Giganet cable has been designed and engineered to provide, cost-effective, and high bandwidth transmission performance.

The cable also features a central isolation cross member to keep individual pairs separated for optimal NEXT and ELFEXT performance.



## Product Features

FEATURES	
23-AWG Solid Bare Copper	
Round jacket	
Center isolation member	
Transmission performance verified by UL	
Supports Gigabit Ethernet	
Reverse sequential marking	
Jacket – PE	
Jackets material is lead free	
Suitable for indoor applications	

## Ordering Information

Part Number	Product Description
GN-C6X4-UTP-LSOH	Giganet Category 6 UTP 23-AWG LSOH Violet Cable-305m Box

**Product Specification**

CABLE TECHNICAL SPECIFICATION				
<b>Conductor</b>	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.540	Up	+0.005
			Down	-0.005
<b>Insulation</b>	Material	HDPE		
	Diameter	0.97±0.05mm		
<b>Color</b>	1 White- Blue /Blue	2 White-Orange /Orange		
	3 White-Green /Green	4 White- Brown /Brown		
<b>Sheath</b>	Thickness	0.50±0.05 mm		
	External O.D.	5.7±0.4mm		
	Surface	Clean, Frap, Satiation		
	Material	LSZH (complies RoHS)		
<b>Outer Jacket Physical Properties</b>	Before Aging	Tensile Strength (Mpa): ≥10.0		
		Elongation (%): ≥125		
	Aging Period (°C×hrs)	100°C×24h×7d		
	After Aging	Tensile Strength (Mpa) ≥8.0 Elongation (%): ≥100		
	Cold bend (-20±2°C×4h)	No visible cracks		
<b>Electrical Characteristics (20°C)</b>	1.0-250.0MHz 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	
<b>Packing Length</b>	305± 1.5m			
<b>Standards</b>	ISO/IEC11801, TIA-568.2-D			

PERFORMANCE TABLE							
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
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	51.3	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