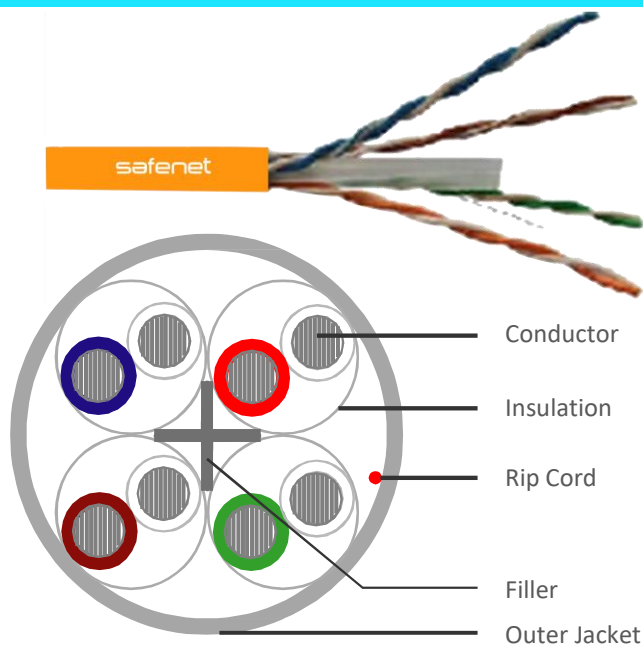


## UTP Cat6 23AWG LSZH Solid Cable

SAFENET 4-Pair U/UTP Cat6 LSZH cable has been designed to support high speed data transmission systems such as Gigabit Ethernet for mission critical LAN applications or future proofing Structured Cabling Systems. The cable is characterized to 250MHz and Powersum NEXT tested. We conform that the cable is used in a system to maximize cabling performance, providing extended frequency response and enhanced.



### Products Characteristics

- Conductor Diameter: 0.57mm ± 0.008mm
- HDPE Solid Insulation: 1.02mm ± 0.02 mm
- HDPE Filler: 4.5\* 0.45mm
- Outer Jacket Thickness: ≥ 0.50mm
- External Diameter: 6.2mm±0.5mm
- Linear Resistance: Max.<85Ω/km
- Mutual Capacity (nom.): 5.6nF/100M
- Unbalance Capacity Max (p/p at 1 KHz): 1500 pF/km
- Characteristic Impedance (1 to 100 MHz): 100 ±15Ω
- Velocity OF Propagation (f>1 MHz): 69% of c

### Complied Standards

- ISO/IEC 11801:2011(Ed.2.2)
- IEC 61156-5:2009(Ed.2.0)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568-C.2:2009
- TIA/EIA-568B.2-2001

### Key Feature

- Compliant to TIA-568.2-D Category 6 cable specifications
- 23 AWG SOLID-Bare Copper Conductor
- Characterized and tested up to 250MHz
- 4 Pair with LSZH Outer Jacket
- ROHS Compliant & UL Approval, DELTA, GHMT
- Print legend contains footage marking from 305M to 001M

### Application

- IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-TX, 10BASE-T
- ANSI/TIA/EIA-854: 1000BASE-TX
- 155 Mb/s, 1.2 Gb/s ATM
- ANSI X3.263: 100 Mb/s
- IEEE 802.3af DTE Power (POE)
- 4/16 Mb/s Token Ring
- Digital Video
- Broadband and Baseband Analog Video

## Reference Electrical Characteristics:

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (Db)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	54.8	52.8	41.8	38.7
62.5	21.0	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.14	17.0

## Ordering Information

Part No	Name of items	Color	Weight
32-3351BL	UTP Cat6 23AWG LSZH Solid Cable , 0.57mm, 305M/Box	Blue	13.5 KG
32-3351GR	UTP Cat6 23AWG LSZH Solid Cable , 0.57mm, 305M/Box	Gray	13.5 KG
32-3351GN	UTP Cat6 23AWG LSZH Solid Cable , 0.57mm, 305M/Box	Green	13.5 KG
32-3351OR	UTP Cat6 23AWG LSZH Solid Cable , 0.57mm, 305M/Box	Orange	13.5 KG
32-3351WT	UTP Cat6 23AWG LSZH Solid Cable , 0.57mm, 305M/Box	White	13.5 KG