

CAT6 U/UTP SERIES

CAT6 U/UTP 23 AWG 4 Pair Network LSZH Cable

Standards : ANSI/TIA/568.2-D CENELEC EN 50288-5IEC 61156-5 (ISO/IEC-11801 Class -E)

The TMT Global Cat6 23AWG 4 Twisted Pair U-UTP Network Cable is a premium choice for those in search of reliable and high-quality structured cabling solutions. Spanning 305 meters, this LSZH cable is meticulously manufactured, tested, and complies with stringent standards, including IEC 60332-1-2 and ISO/IEC 11801:2011. Its flexible construction allows for effortless installation in narrow spaces, making it ideal for a variety of applications such as CCTV systems, audio-visual intercoms, public address systems, and smart home automation. This versatile cable not only supports high-performance structured cabling systems but also meets complex specifications across multiple industries, ensuring seamless connectivity and communication for any indoor or outdoor setup.

ELECTRICAL SPECIFICATIONS

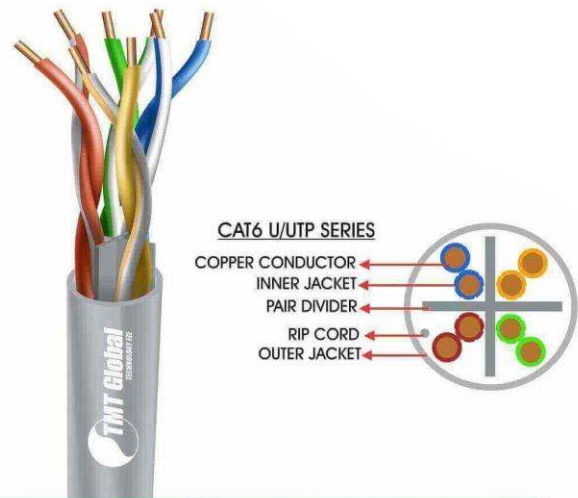
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms
DC Resistance	93 Ohm/Km max.	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay	514 + 36/vf. nS/100m max @ 1-300 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Propagation Delay Skew	35 nS/100m max @ 1-300 MHz
Cap. Unbalance (wire to ground)	1600 pF/m max. @ 1 KHz.	Insulation Resistance	5000 Mega Ohm•Km min. @ 500 Vdc
Voltage rating	72 Vdc max.	Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-300 MHz
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	Bare copper
Conductor Size	23AWG
Insulation	HDPE
Number of insulated conductors	8, twisted in 4 pairs
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown
Outer Jacket	LSZH
Standard Jacket Color	Blue/Gray /Black/Green/Orange/Red/Violet/White/Yellow.
Standard Surface Marking	Includes TMT Global P/N, cable description, Meter mark and Model Number
Pulling force	110 N max..
Short Term Bend Radius	6xOD (mm)
Storage Temperature	-20 to +80C
Temperature operating range	-20 to +60C
Installation temperature range	0 to +50C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-7401	6X138BLB	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M BLUE
	6X138BLG	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREY
	6X138BLK	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - BLACK
	6X138BLN	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREEN
	6X138BLO	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - ORANGE
	6X138BLR	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - RED
	6X138BLV	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – VIOLET
	6X138BLW	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – WHITE
	6X138BLY	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – YELLOW
	6X138BLA	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - AQUA



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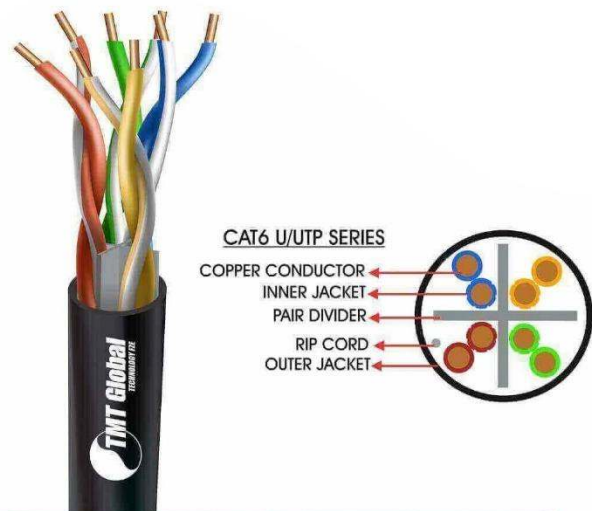
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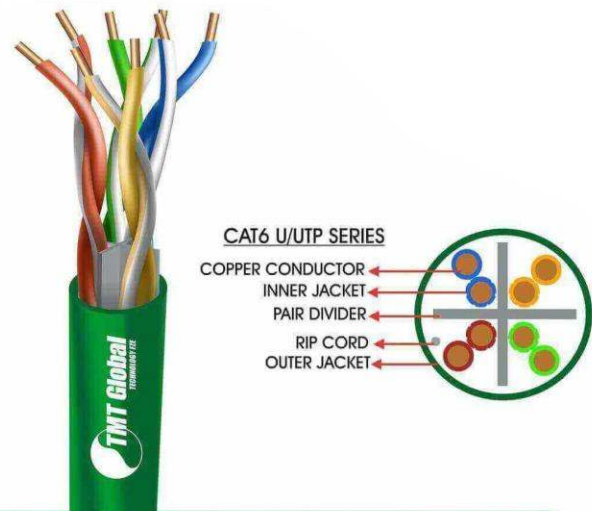
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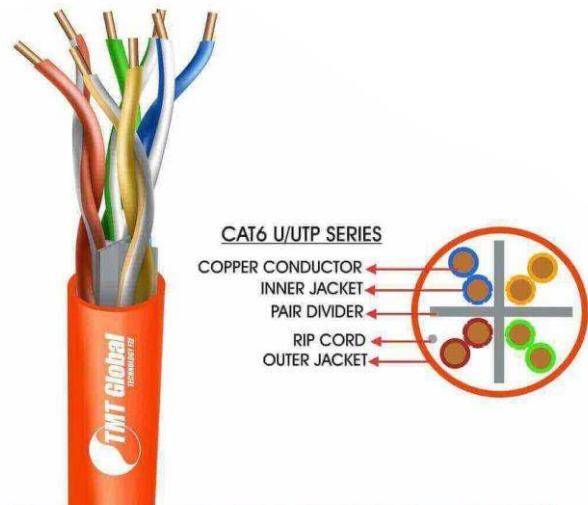
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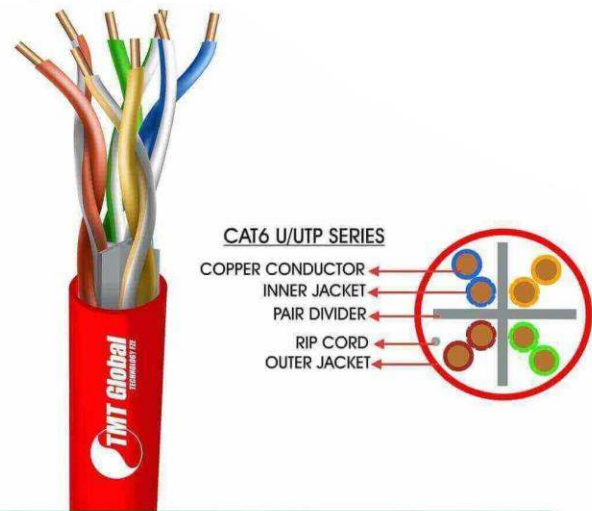
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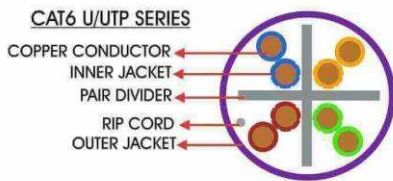
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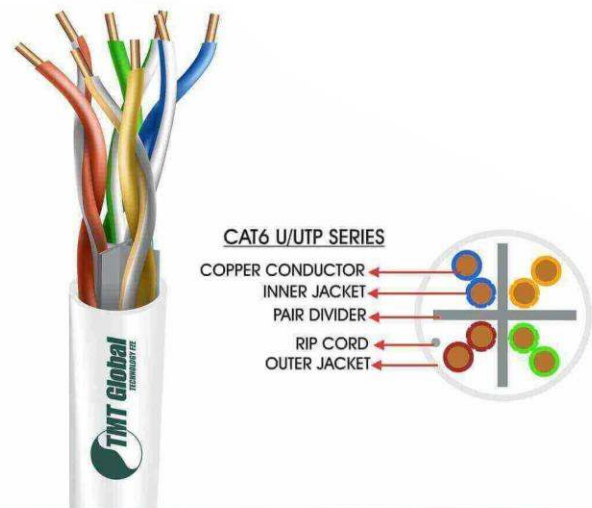
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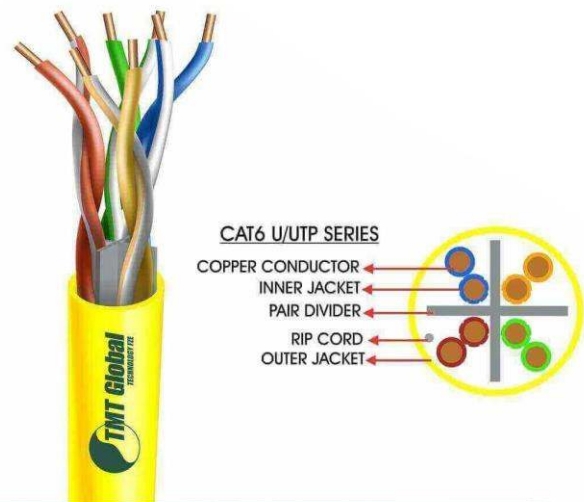
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms
DC Resistance	93 Ohm/Km max.	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay	514 + 36/vf. nS/100m max @ 1-300 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Propagation Delay Skew	35 nS/100m max @ 1-300 MHz
Cap. Unbalance (wire to ground)	1600 pF/m max. @ 1 KHz.	Insulation Resistance	5000 Mega Ohm•Km min. @ 500 Vdc
Voltage rating	72 Vdc max.	Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-300 MHz
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	Bare copper
Conductor Size	23AWG
Insulation	HDPE
Number of insulated conductors	8, twisted in 4 pairs
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown
Outer Jacket	LSZH
Standard Jacket Color	Blue/Gray /Black/Green/Orange/Red/Violet/White/Yellow.
Standard Surface Marking	Includes TMT Global P/N, cable description, Meter mark and Model Number
Pulling force	110 N max.
Short Term Bend Radius	6xOD (mm)
Storage Temperature	-20 to +80C
Temperature operating range	-20 to +60C
Installation temperature range	0 to +50C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-7401	6X138BLB	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M BLUE
	6X138BLG	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREY
	6X138BLK	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - BLACK
	6X138BLN	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREEN
	6X138BLO	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - ORANGE
	6X138BLR	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - RED
	6X138BLV	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – VIOLET
	6X138BLW	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – WHITE
	6X138BLY	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – YELLOW
	6X138BLA	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - AQUA



CAT6 U/UTP SERIES

CAT6 U/UTP 23 AWG 4 Pair Network LSZH Cable

Standards : ANSI/TIA/568.2-D CENELEC EN 50288-5IEC 61156-5 (ISO/IEC-11801 Class -E)

The TMT Global Cat6 23AWG 4 Twisted Pair U-UTP Network Cable is a premium choice for those in search of reliable and high-quality structured cabling solutions. Spanning 305 meters, this LSZH cable is meticulously manufactured, tested, and complies with stringent standards, including IEC 60332-1-2 and ISO/IEC 11801:2011. Its flexible construction allows for effortless installation in narrow spaces, making it ideal for a variety of applications such as CCTV systems, audio-visual intercoms, public address systems, and smart home automation. This versatile cable not only supports high-performance structured cabling systems but also meets complex specifications across multiple industries, ensuring seamless connectivity and communication for any indoor or outdoor setup.

ELECTRICAL SPECIFICATIONS

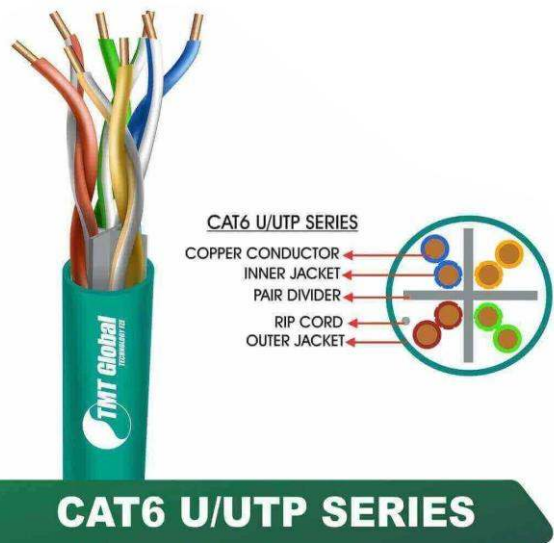
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms
DC Resistance	93 Ohm/Km max.	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay	514 + 36/vf. nS/100m max @ 1-300 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Propagation Delay Skew	35 nS/100m max @ 1-300 MHz
Cap. Unbalance (wire to ground)	1600 pF/m max. @ 1 KHz.	Insulation Resistance	5000 Mega Ohm•Km min. @ 500 Vdc
Voltage rating	72 Vdc max.	Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-300 MHz
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	Bare copper
Conductor Size	23AWG
Insulation	HDPE
Number of insulated conductors	8, twisted in 4 pairs
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown
Outer Jacket	LSZH
Standard Jacket Color	Blue/Gray /Black/Green/Orange/Red/Violet/White/Yellow.
Standard Surface Marking	Includes TMT Global P/N, cable description, Meter mark and Model Number
Pulling force	110 N max.
Short Term Bend Radius	6xOD (mm)
Storage Temperature	-20 to +80C
Temperature operating range	-20 to +60C
Installation temperature range	0 to +50C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-7401	6X138BLB	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M BLUE
	6X138BLG	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREY
	6X138BLK	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - BLACK
	6X138BLN	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREEN
	6X138BLO	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - ORANGE
	6X138BLR	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - RED
	6X138BLV	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – VIOLET
	6X138BLW	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – WHITE
	6X138BLY	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – YELLOW
	6X138BLA	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - AQUA



CAT6 U/UTP 23 AWG 4 Pair Network LSZH Cable

Standards : ANSI/TIA/568.2-D CENELEC EN 50288-5IEC 61156-5 (ISO/IEC-11801 Class -E)

The TMT Global Cat6 23AWG 4 Twisted Pair U-UTP Network Cable is a premium choice for those in search of reliable and high-quality structured cabling solutions. Spanning 305 meters, this LSZH cable is meticulously manufactured, tested, and complies with stringent standards, including IEC 60332-1-2 and ISO/IEC 11801:2011. Its flexible construction allows for effortless installation in narrow spaces, making it ideal for a variety of applications such as CCTV systems, audio-visual intercoms, public address systems, and smart home automation. This versatile cable not only supports high-performance structured cabling systems but also meets complex specifications across multiple industries, ensuring seamless connectivity and communication for any indoor or outdoor setup.

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms
DC Resistance	93 Ohm/Km max.	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay	514 + 36/vf. nS/100m max @ 1-300 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Propagation Delay Skew	35 nS/100m max @ 1-300 MHz
Cap. Unbalance (wire to ground)	1600 pF/m max. @ 1 KHz.	Insulation Resistance	5000 Mega Ohm•Km min. @ 500 Vdc
Voltage rating	72 Vdc max.	Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-300 MHz
Characteristic Impedance	100±6 Ohm @ 1-250 MHz	Dielectric strength	1500 Volts/1 minute min rms

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	Bare copper
Conductor Size	23AWG
Insulation	HDPE
Number of insulated conductors	8, twisted in 4 pairs
Color Code of Pairs	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown
Outer Jacket	LSZH
Standard Jacket Color	Blue/Gray /Black/Green/Orange/Red/Violet/White/Yellow.
Standard Surface Marking	Includes TMT Global P/N, cable description, Meter mark and Model Number
Pulling force	110 N max..
Short Term Bend Radius	6xOD (mm)
Storage Temperature	-20 to +80C
Temperature operating range	-20 to +60C
Installation temperature range	0 to +50C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-7401	6X138BLB	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M BLUE
	6X138BLG	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREY
	6X138BLK	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - BLACK
	6X138BLN	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - GREEN
	6X138BLO	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - ORANGE
	6X138BLR	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - RED
	6X138BLV	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – VIOLET
	6X138BLW	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – WHITE
	6X138BLY	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M – YELLOW
	6X138BLA	23AWG 4PAIR CAT6 U/UTP LSZH CABLE 305M - AQUA