



CAT6a SF/UTP 23 AWG 4 Pair Network PVC Cable

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

The TMT Global Cat6a 23AWG 4 Twisted Pair SF-UTP Network Cable is a premium choice for those in search of reliable and high-quality structured cabling solutions. Spanning 305 meters, this PVC 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 @ 1-500 MHz	Dielectric strength	1500 Volts/1 minute min rms
Loop Resistance	25	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay Skew	534 + 36/vf. nS/100m max @ 1-500 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Insulation Resistance	45 nS/100m max @ 1-500 MHz
Cap. Unbalance (wire to ground)	1500 pF/Km max. @ 1 KHz.	Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 MHz
Voltage rating	72 Vdc max.		
Transfer Impedance	50 mOhm/m max @ 1 MHz., 100 mOhm/m max @ 10 MHz , 200 mOhm/m max @ 30 MHz., 1000 mOhm/m max @ 100 MHz.		

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	tmt 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
Overall Coverage	Braiding Shield +Polyester-aluminum tape
Ground wire	copper conductor
Overall Screening	NL
Outer Jacket	PVC
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	8xOD (mm)
Storage Temperature	-20 to +80C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
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	6A736MPG	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GRAY
	6A736MPK	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLACK
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	6A736MPO	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - ORANGE
	6A736MPR	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - RED
	6A736MPV	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - VIOLET
	6A736MPW	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - WHITE
	6A736MPY	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - YELLOW
	6A736MPA	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - AQUA



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Ground wire	copper conductor
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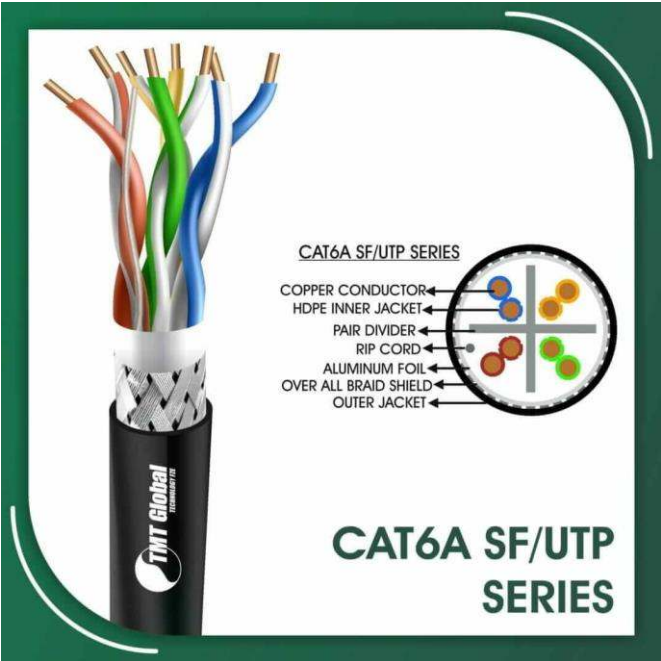
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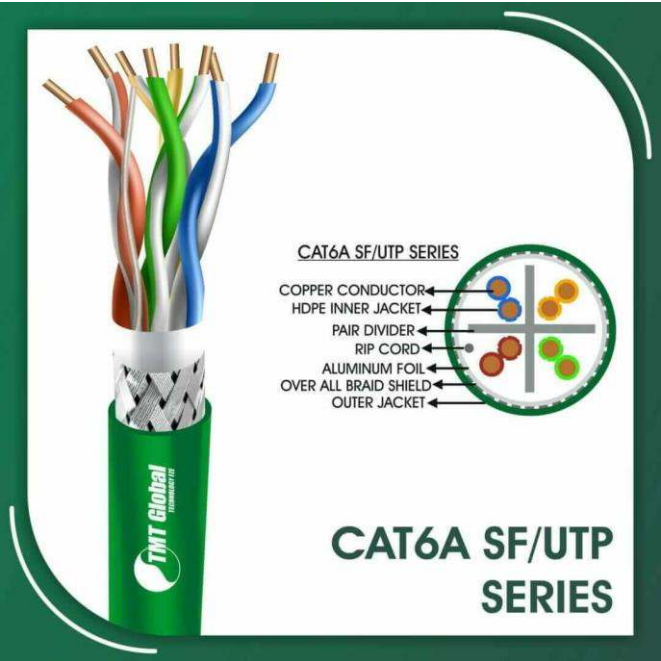
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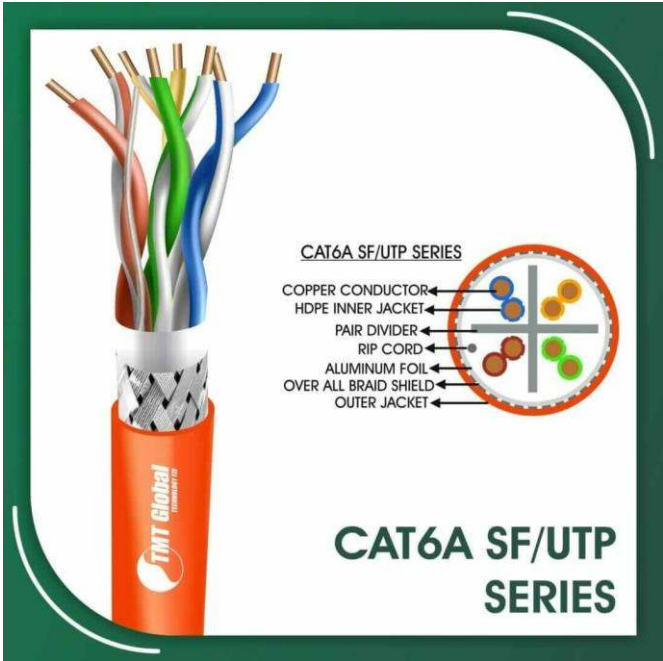
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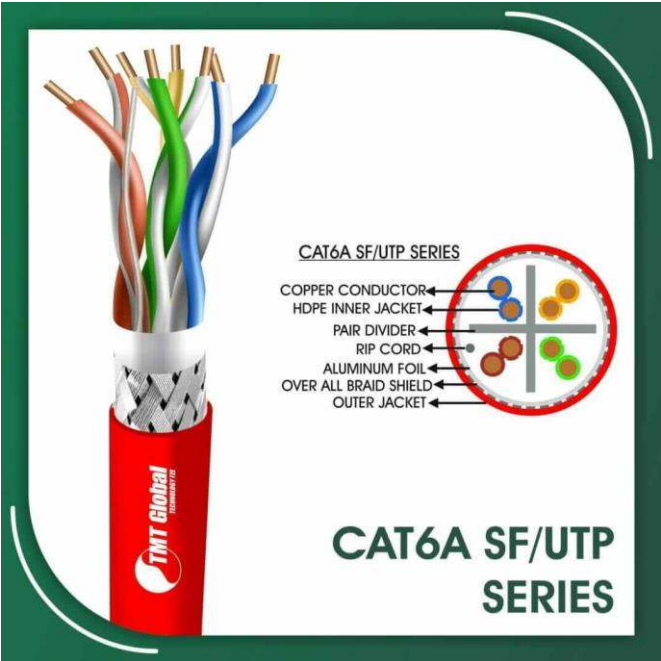
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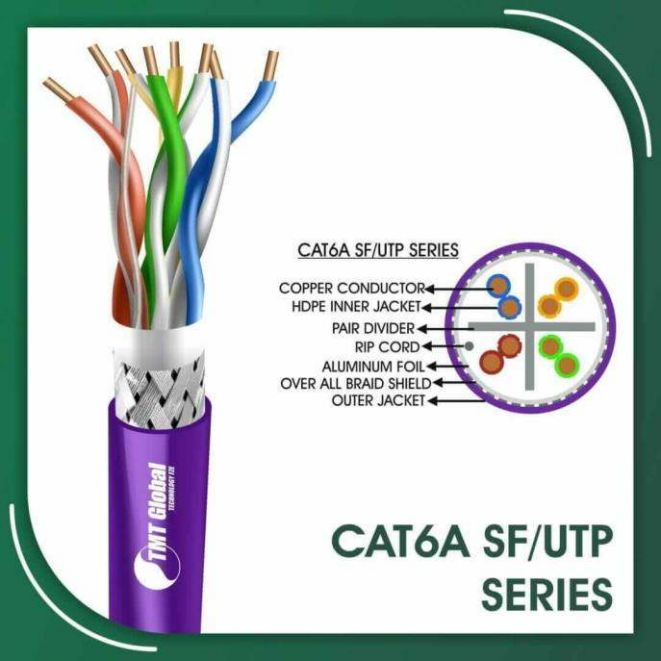
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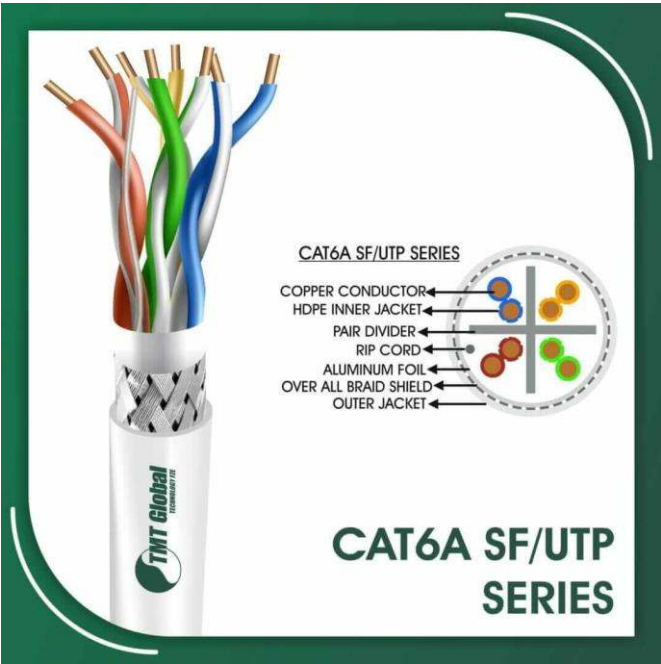
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Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Insulation Resistance	45 nS/100m max @ 1-500 MHz
Cap. Unbalance (wire to ground)	1500 pF/Km max. @ 1 KHz.	Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 MHz
Voltage rating	72 Vdc max.		
Transfer Impedance	50 mOhm/m max @ 1 MHz., 100 mOhm/m max @ 10 MHz , 200 mOhm/m max @ 30 MHz., 1000 mOhm/m max @ 100 MHz.		

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	tmt 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
Overall Coverage	Braiding Shield +Polyester-aluminum tape
Ground wire	copper conductor
Overall Screening	NL
Outer Jacket	PVC
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	8xOD (mm)
Storage Temperature	-20 to +80C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-4082	6A736MPB	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLUE
	6A736MPG	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GRAY
	6A736MPK	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLACK
	6A736MPN	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GREEN
	6A736MPO	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - ORANGE
	6A736MPR	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - RED
	6A736MPV	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - VIOLET
	6A736MPW	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - WHITE
	6A736MPY	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - YELLOW
	6A736MPA	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - AQUA



CAT6a SF/UTP 23 AWG 4 Pair Network PVC Cable

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

The TMT Global Cat6a 23AWG 4 Twisted Pair SF-UTP Network Cable is a premium choice for those in search of reliable and high-quality structured cabling solutions. Spanning 305 meters, this PVC 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 @ 1-500 MHz	Dielectric strength	1500 Volts/1 minute min rms
Loop Resistance	25	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay Skew	534 + 36/vf. nS/100m max @ 1-500 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Insulation Resistance	45 nS/100m max @ 1-500 MHz
Cap. Unbalance (wire to ground)	1500 pF/Km max. @ 1 KHz.	Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 MHz
Voltage rating	72 Vdc max.		
Transfer Impedance	50 mOhm/m max @ 1 MHz., 100 mOhm/m max @ 10 MHz , 200 mOhm/m max @ 30 MHz., 1000 mOhm/m max @ 100 MHz.		

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	tmt 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
Overall Coverage	Braiding Shield +Polyester-aluminum tape
Ground wire	copper conductor
Overall Screening	NL
Outer Jacket	PVC
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	8xOD (mm)
Storage Temperature	-20 to +80C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-4082	6A736MPB	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLUE
	6A736MPG	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GRAY
	6A736MPK	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLACK
	6A736MPN	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GREEN
	6A736MPO	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - ORANGE
	6A736MPR	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - RED
	6A736MPV	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - VIOLET
	6A736MPW	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - WHITE
	6A736MPY	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - YELLOW
	6A736MPA	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - AQUA



CAT6a SF/UTP 23 AWG 4 Pair Network PVC Cable

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

The TMT Global Cat6a 23AWG 4 Twisted Pair SF-UTP Network Cable is a premium choice for those in search of reliable and high-quality structured cabling solutions. Spanning 305 meters, this PVC 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 @ 1-500 MHz	Dielectric strength	1500 Volts/1 minute min rms
Loop Resistance	25	Velocity of Propagation (NVP)	67-69%
Resistance unbalance	2% max.	Propagation Delay Skew	534 + 36/vf. nS/100m max @ 1-500 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Insulation Resistance	45 nS/100m max @ 1-500 MHz
Cap. Unbalance (wire to ground)	1500 pF/Km max. @ 1 KHz.	Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 MHz
Voltage rating	72 Vdc max.		
Transfer Impedance	50 mOhm/m max @ 1 MHz., 100 mOhm/m max @ 10 MHz , 200 mOhm/m max @ 30 MHz., 1000 mOhm/m max @ 100 MHz.		

PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	tmt 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
Overall Coverage	Braiding Shield +Polyester-aluminum tape
Ground wire	copper conductor
Overall Screening	NL
Outer Jacket	PVC
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	8xOD (mm)
Storage Temperature	-20 to +80C
Flame Test	IEC 60332-1

Ordering Information

Model No Series	Item Code	Description
TMT-4082	6A736MPB	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLUE
	6A736MPG	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GRAY
	6A736MPK	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - BLACK
	6A736MPN	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - GREEN
	6A736MPO	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - ORANGE
	6A736MPR	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - RED
	6A736MPV	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - VIOLET
	6A736MPW	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - WHITE
	6A736MPY	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - YELLOW
	6A736MPA	23AWG 4PAIR CAT6A SF/UTP CABLE PVC 305M - AQUA