

# 23AWG CAT6 SF/UTP SERIES

TMT Global cat6 23awg 4 twisted pair SF-UTP Network Cable 305m are Manufactured Tested and Complied with IEC 60332-1-2 EN 50173-1:2011 ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D IEC61935-2:2010(Ed.3.0) EN 50173-2:2007 including Amendment A1:2010 Requirements for Patch Cord Assemblies and Provide High Performance levels for structured cabling systems.

## General Specification:

4 Pairs UnShielded Twisted Pair (SFUTP) Cable

Gold Plated: 30U”

Color Code: Aqua/Black/Blue/green/Grey/Orange/Red/Violet/White/Yellow r custom color

Length : 0.12/0.15/0.50/1/2/3/5/8/10/15/20/25/30/40/50/70/100/meter r custom Length

Contact blade: Phosphor Bronze

Insulation Material: HD-PE-PVC-LSZH

Jacket Material: PVC UL94V-0

## APPLICATION

10BASE-T, 100BASE-TX Fast Ethernet,

1000BASE-T (IEEE802.3

100VG-AnyLAN (IEEE802.12)

550 MHz Broadband Video

Voice, T1, ISDN

155/ 622 Mbps ATM

Power over Ethernet (POE)

## PHYSICAL AND MECHANICAL PROPERTIES

Conductor Resistance:  $\leq 5\Omega - \leq 20\Omega$

Insulation Resistance:  $\geq 10M\Omega$

Characteristic Impedance: 100 — 6 Ohm @ 1-250MHz -1-500 MHz

Contact Resistance: 20 m Ohm max

Resistance Unbalance: 2% max

Dielectric strength: 1000 volts/1 minute min rms

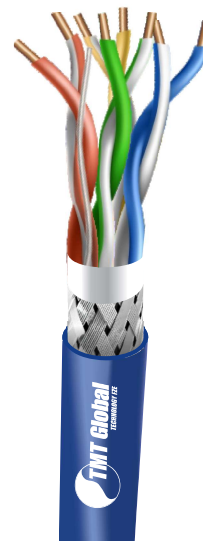
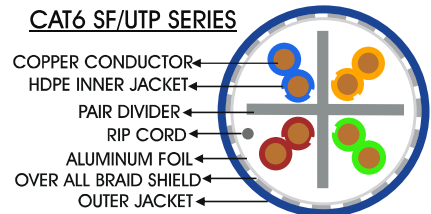
Cable to Plug Tensile Strength: 9 Kgf (90N) min

Durability: 750

Temperature Operating Range: -25°C to 70°C

Country Of Origin: Made in UAE

By Fahad Cables Industry FZE



### Middle East Office

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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
Drain wire	tin-coated annealed copper
Overall Coverage	Braiding Shield +Polyester-aluminum tape
Outer Jacket	LSZH Halogen free flame retardant or PVC compound
Standard Jacket Color	Black, Blue, Gray, Green, Orange, Red, Violet, White, Yellow, Aqua
Standard Surface Marking	Includes TMT Global P/N, cable description, Meter mark and Model Number
Pulling force	100 N max.
Short Term Bend Radius	9xOD (mm)
Storage Temperature	-20 to +80C
Temperature operating range	-20 to +60C
Flame Test	IEC 60332-1

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)	74-78%
Resistance unbalance	2% max.	Propagation Delay	534 + 36/vf. nS/100m max @ 1-300 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Propagation Delay Skew	45 nS/100m max @ 1-300 MHz
Cap. Unbalance (wire to ground)	1500 pF/m max. @ 1 KHz.	Insulation Resistance	5000 MegaOhm•Km min. @ 500 Vdc
Voltage rating	72 Vdc max.	Coupling attenuation	85 dB min @ 30-100 MHz 85-20Log(f/100) @100-250 MHz
Transfer Impedance	10 mOhm/m max @ 1-10 MHz 30 mOhm/m max @ 30 MHz		

Ordering Information		
Model No	Item Code	Description
TMT-4051	6X736MLB	23AWG 4PAIR CAT6 SF/UTP CABLE LSZH 305M

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