



# 23AWG CAT6 F/UTP SERIES

TMT Global cat6 23awg 4 twisted pair F-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 (FUTP) 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

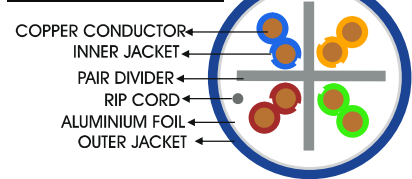
Durability: 750

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

Country Of Origin: Made in UAE

By Fahad Cables Industry FZE

## CAT6 F/UTP SERIES



### Middle East Office

TMT GLOBAL TECHNOLOGY

Mob: +971-54-7069701

Email: info@tmtuae.com

Web: www.tmtuae.com

Location: Maliha Road Industrial Area 18  
Showroom 2 Sharjah (United Arab emirates)

### UK Office

TMT GLOBAL TECHNOLOGY LTD (UK)

Company no: 07187773

Email: info@tmtglobal.co.uk

Web: www.tmtglobal.co.uk

Location: 120 Baker Street, 3rd Floor, London,  
England, W1U 6TU, United Kingdom





# 23AWG CAT6 F/UTP SERIES

TMT Global cat6 23awg 4 twisted pair F-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.

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 shield	Polyester-aluminum tape (foil face inward) providing 100% coverage.
Ground wire	solid tin-coated copper conductor laid in close contact under the shield.
Overall Screening	Polyester-aluminum tape (foil face inward) providing 100% coverage.
Outer Jacket	LSZH Halogen free flame retardant
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	110 N max.
Short Term Bend Radius	8xOD (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)	69-74%
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	55 dB min @ 30-100 MHz 55-20Log(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-4035	6X236MLB	23AWG 4PAIR CAT6 F/UTP CABLE 305M LSZH

**Middle East Office**  
TMT GLOBAL TECHNOLOGY  
**Mob:**+971-54-7069701  
**Email:** info@tmtuae.com  
**Web:** www.tmtuae.com  
**Location:** Maliha Road Industrial Area 18  
Showroom 2 Sharjah (United Arab emirates)

**UK Office**  
TMT GLOBAL TECHNOLOGY LTD (UK)  
Company no:07187773  
**Email:** info@tmtglobal.co.uk  
**Web:** www.tmtglobal.co.uk  
**Location:** 120 Baker Street, 3rd Floor, London,  
England, W1U 6TU , United Kingdom

