

23AWG CAT7 S/FTP SERIES

TMT Global cat7 23awg 4 twisted pair S-FTP 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 (SFTP) 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

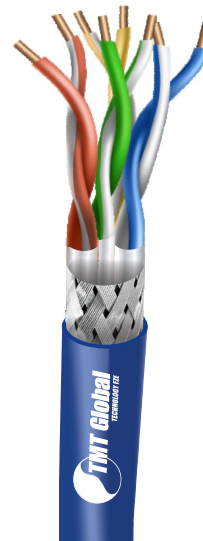
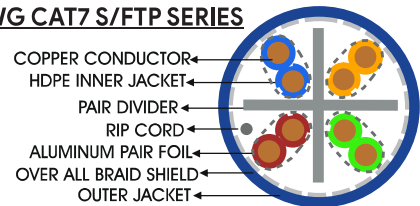
Durability: 750

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

Country Of Origin: Made in UAE

By Fahad Cables Industry FZE

23AWG CAT7 S/FTP SERIES



Middle East Office

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PHYSICAL AND MECHANICAL PROPERTIES

Basic Conductor	23AWG bare copper
Conductor Size	(mm) 0,56
Insulation :	Polyolefin
Number of insulated conductors :	8, twisted in 4 pairs.
Color Code of Pairs :	Blue x White, Orange x White, Green x White, Brown x White.
Individual pair shield	Laminated aluminum foil (foil face outward) providing 100% coverage.
Overall Shield	braid laid in close contact over the inner foils
Outer Jacket :	LSZH Halogen free flame retardant
Outer Jacket Color :	Black, Blue, Gray, Green, Orange, Red, Violet, White, Yellow, Aqua
Standard Surface Marking :	Includes TMTGLOBAL P/N, cable description, Meter mark and Batch Number
Pulling force :	110 N max
Short Term Bend Radius :	8xOD mm
Temperature operating range :	-20 to +60C

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-600 MHz	Dielectric strength	700 Volts/1 minute min rms
DC Resistance	93 Ohm/Km max.	Velocity of Propagation (NVP)	74-78%
Resistance unbalance	2% max.	Propagation Delay Skew	25 nS/100m max @ 1-600 MHz
Mutual Capacitance	5.6 nF/100m Max. @ 1 KHz	Insulation Resistance	5000 MegaOhm•Km min. @ 500 Vdc
Cap. Unbalance (wire to ground)	1500 pF/Km max. @ 1 KHz.	Coupling attenuation	85 dB min @ 30-100 MHz 85-20Log(f/100) @100-500 MHz
Voltage rating	72 Vdc max.	Transfer Impedance	10 mOhm/m Max @ 1-30 MHz 30 MOhm/m Max @ 30-100 MHz

Ordering Information

Model No	Product ID	Description
TMT-4090	7X536BLB	23AWG 4PAIR CAT7 S/FTP CABLE 305M LSZH

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