

CAT7 S/FTP SERIES



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COPPER CONDUCTOR

HDPE INNER JACKET

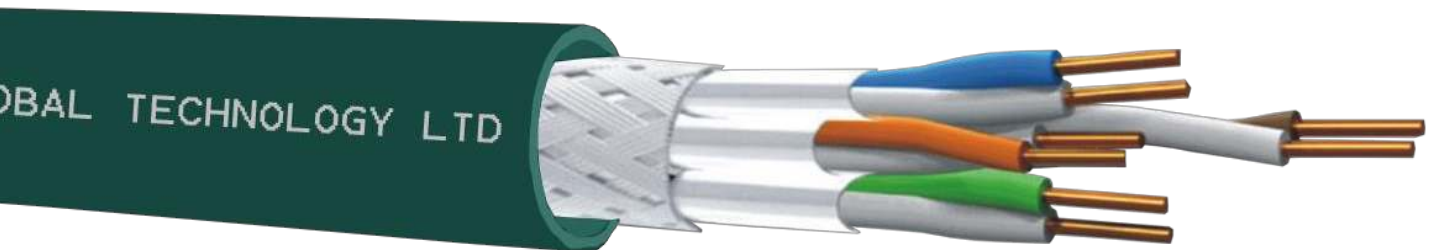
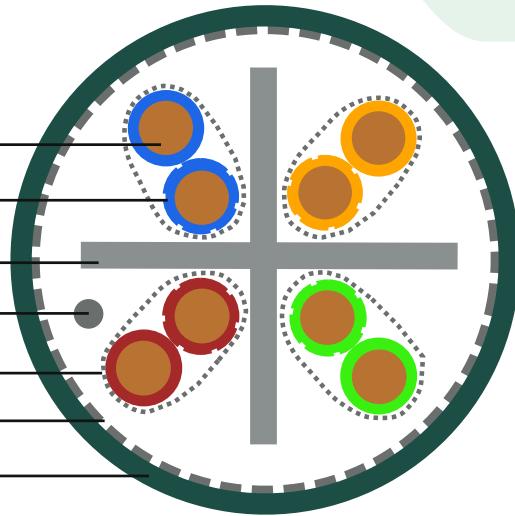
PAIR DIVIDER

RIP CORD

ALUMINUM PAIR FOIL

OVER ALL BRAID SHIELD

OUTER JACKET



23 AWG CAT7 S/FTP CABLE SERIES

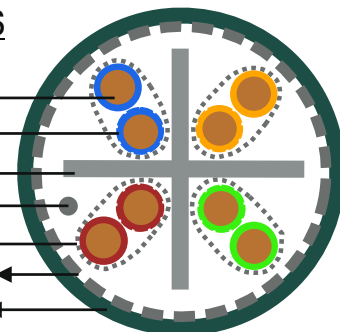


STRUCTURED CABLING CAT7 SERIES



CAT7 S/FTP SERIES

- COPPER CONDUCTOR
- HDPE INNER JACKET
- PAIR DIVIDER
- RIP CORD
- ALUMINUM PAIR FOIL
- OVER ALL BRAID SHIELD
- OUTER JACKET



CAT 7 S/FTP LAN Cable

Standards: (1) ANSI/TIA/568.2-D (2) CENELEC EN 50288-5 (3) IEC 61156-5 (ISO/IEC-11801 Class F)

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 /Grey/Blue
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

