![STL logo]

Cat5e SF/UTP Cable   STL/Cat5e/SF/UTP/1203
Part No: SLITE-1203   ISS/Rev : 01/01

APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Ethernet - 100 base T standard. Operates at bandwidth of 100 MHz. This cable well exceeds the requirements of ANSI/TIA-568-C.2 & ISO/IEC 11801.

FEATURES

The shield acts as a Faraday cage to reduce electrical noise from affecting the signals, and to reduce electromagnetic radiation that may interfere with other devices . Tinned Copper Braiding provides mechanical strength to cable.
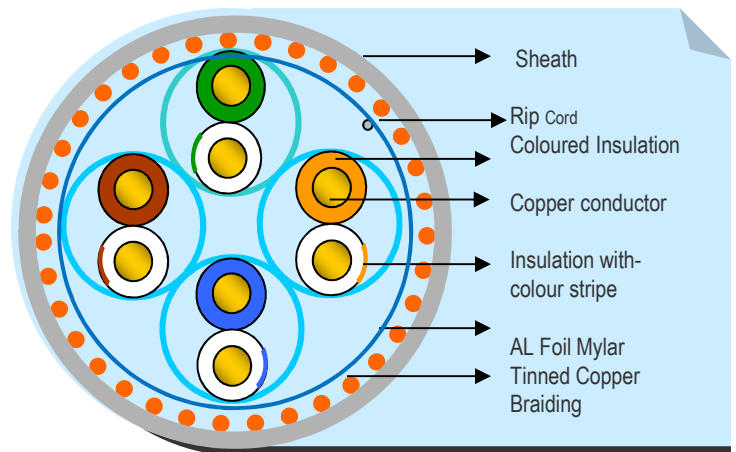
CONSTRUCTION

Conductor	: 24 AWG Solid bare Copper
Insulation	: High Density Polyethylene
Pairs	: 2 Insulated conductors twisted together
Shield	: Aluminum / Polyester Foil
Screen	: Tinned copper Braiding
Sheath	: LSZH
Cable Diameter	: 6.3±0.2 mm

Sheath
Rip Cord
Coloured Insulation
Copper conductor
Insulation with-colour stripe
AL Foil Mylar
Tinned Copper Braiding

Printing   : Each meter printed with
STERLITE CATEGORY 5e SF/UTP 4/24 AWG ANSI/TIA-568-C.2 LSZH Month/Year XXX M

COLOUR CODE

PAIR NO	COLOUR
1-2	White-Orange Stripe and Orange
3-6	White-Green Stripe and Green
4-5	White-Blue Stripe and Blue
7-8	White-Brown Stripe and Brown

ELECTRICAL PROPERTIES

Conductor Resistance	: $\leq 9.38\Omega$/100m
Mutual Capacitance	: < 5.6nF/100m
Resistance Unbalance	: 5% Max
Capacitance Unbalance	: 330pF/100m
Dielectric Strength	: 2.5 KVDC for 2 Seconds
Insulation Resistance	: 5000 M ohm-km
Characteristics Impedance	: 100 +/- 15 Ohms
Delay Skew	: < 45nS

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Head Technical

TRANSMISSION CHARACTERISTICS 90M PERMANENT LINK

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)
1	3	60	19	57	58.6	55.6
4	3.9	54.8	19	51.8	46.6	43.6
8	5.5	50	19	47	40.6	37.6
10	6.2	48.5	19	45.5	38.6	35.6
16	7.9	45.2	19	42.2	34.5	31.5
20	8.9	43.7	19	40.7	32.6	29.6
25	10	42.1	18	39.1	30.7	27.7
31.25	11.2	40.5	17.1	37.5	28.7	25.7
62.5	16.2	35.7	14.1	32.7	22.7	19.7
100	21	32.3	12	29.3	18.6	15.6

MECHANICAL PROPERTIES
Bending Radius   : < 8 x Cable Diameter
Pulling Force   : 9.5 Kgs
Temperature Range
Operation   : -20° to +70°C
Installation   : 0° to +50°C

CONNECTION SYSTEM
Compatible with all common systems according to
ANSI/TIA-568-C.2 & ISO/IEC 11801.

AVAILABLE CABLE COLOR
Dark Grey – RAL 7037
Light Grey – RAL 7035
Blue –RAL 5012 ,Or as per Customer Request

FLAME PROPERTIES
Flammability Test – IEC 60332-1
Acid Gas Emission Test – IEC 60754-1
Flame requirements meets Euro Class Eca

PACKING
Available in 305meter Reels or as per customer requirement

Issued Date : 07.07.2019   Approved and Issued By

                                                 Head Technical