



Category 6A U/UTP Cable – SPECIAL FILLER
Part No : SLITE-3201E

STL/Cat6A/U/UTP/3201E
Issue/Rev : 01/00

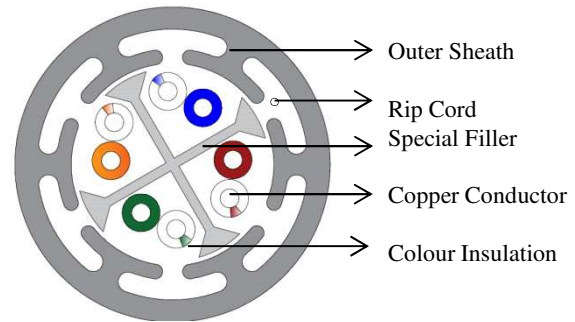
APPLICATION

Enhanced performance patent pending cable design for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 500MHz.

This cable complies to the requirements of ANSI/TIA-568-C.2 & ISO/IEC 11801 Ed. 2.2
Patent Pending for Special Filler & Jacket

CONSTRUCTION

Conductor : 23 AWG Solid bare Copper
Insulation : High Density Polyethylene
Pairs : 2 Insulated conductors
twisted together
Filler : Special Filler
Sheath : LSZH



Cable Diameter : 7.5 ± 0.4 mm

Printing : Each meter printed with
STERLITE CATEGORY 6A U/UTP ANSI/TIA-568-C.2 4/23 AWG LSZH DD/MM/YY XXX M
Or as per Customer request

COLOUR CODE

<u>PAIR NO</u>	<u>COLOUR</u>
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

Characteristic Impedance : $100 \pm 15 \Omega$
Conductor Resistance : $\leq 9.38\Omega/100m$
Mutual Capacitance : $< 5.6nF/100m$
Resistance Unbalance : 5% Max
Capacitance Unbalance : 330pF/100m
Delay Skew : $< 45nS$

Issued Date : 22.05.2019

Approved and Issued By

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Head Development

CONTACT

Works: Survey No. 33/1/1, Waghdhara Road, Dadra Union Territory of Dadra & Nagar Haveli Silvassa-396230 INDIA

Website : www.sterlitetechnologies.com



TRANSMISSION CHARACTERISTICS

Frequency (MHz)	Max attenuation (dB/100M)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF	PSACRF
1	2.1	20.0	74.3	72.3	67.8	64.8
4	3.8	23.0	65.3	63.3	55.8	52.8
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.5	25.0	56.2	54.2	43.7	40.7
20	8.4	25.0	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18.0	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	37.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

Alien Cross Talk Test compliant in field condition as per standard implementation best practices ,
Cable Complies to ANSI/TIA-568-C.2 90 M Permanent Link Alien Cross Talk Test

MECHANICAL PROPERTIES

Bending Radius : < 8 x Cable Diameter

Pulling Force : 100 N

Temperature Range

Installation : 0° to + 50°C

Operation : -20° to +75°C

CONNECTION SYSTEM

**Compatible with all common systems according to
ANSI/TIA-568-C.2 & ISO/IEC 11801 Ed. 2.2**

AVAILABLE CABLE COLOR

Grey , Violet,

Or as per Customer Request

FLAME PROPERTIES

Flammability Test – IEC 60332-1

Acid Gas Emission Test – IEC 60754-1

Flame requirements meet Euro Class Dca-s2-d2-a1

PACKING

Available in Reels of 305M or Longer as per Customer Specific

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Note: Reserve the right to change the construction without any notice.

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