

APPLICATION

Enhanced performance cable 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.

Approval: ETL verified to ANSI/TIA-568-C.2 & ISO/IEC 11801.

FEATURES:

Shield gives Protection against Electromagnetic Interference and avoid signal loss & Lower pair to pair Crosstalk

CONSTRUCTION

Conductor : 23 AWG Solid bare Copper

Insulation : Foam skin PE

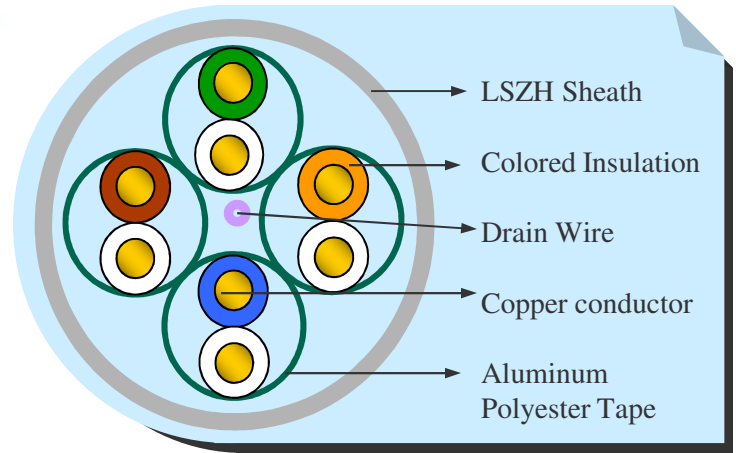
Pairs : 2 Insulated conductors twisted together

Individual Pair Shield : Aluminum / Polyester Tape
Tinned Copper Drain Wire

Sheath : LSZH

Cable Diameter : 7.5 ± 0.3 mm

Printing : Each meter printed with "Customer Specific Information" & sequential Length Counter



COLOUR CODE

<u>PAIR NO</u>	<u>COLOUR</u>
1-2	White and Orange
3-6	White and Green
4-5	White and Blue
7-8	White 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	: $< 45nS$

Approved and Issued By

Page 1 of 2

Head Technical

CONTACT

Works: Survey No. 33/1/1, Waghdhara Road, Dadra Union Territory of Dadra & Nagar Haveli Silvassa-396191 INDIA

Website : www.sterlitetechnologies.com



TRANSMISSION CHARACTERISTICS 100M

Frequency (MHz)	Max attenuation (dB/100M)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
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	38.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

CONNECTION SYSTEM

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

FLAME PROPERTIES

Flammability Test – IEC 60332-1

Acid Gas Emission Test – IEC 60754-1

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

MECHANICAL PROPERTIES

Bending Radius : Min. 8 x Cable Diameter

Pulling Force : 11.5Kg

Temperature Range

Operation : -20° to +70°C

Installation : 0° to +50°C

AVAILABLE CABLE COLOR

Natural, Grey, Violet Or as per Customer Request

PACKING

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

Issued Date : 26.04.2019

Approved and Issued By

Page 2 of 2

Head Technical

CONTACT

Works: Survey No. 33/1/1, Waghdhara Road, Dadra Union Territory of Dadra & Nagar Haveli Silvassa-396191 INDIA

Website : www.sterlitetechnologies.com