

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 well exceeds the requirements of ANSI/TIA-568-C.2.

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.

CONSTRUCTION

Conductor : 23 AWG Solid bare Copper

Insulation : High Density Polyethylene

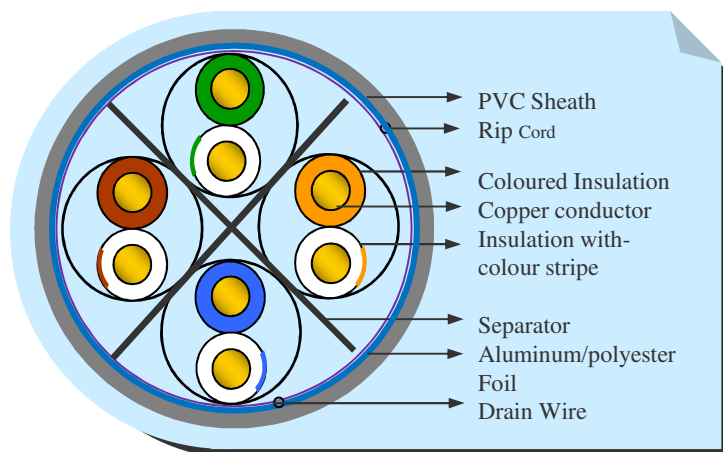
Pairs : 2 Insulated conductors
twisted together

Sheath : FR PVC

Shield : Aluminum / Polyester Tape

Cable Diameter : 7.3 ± 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-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	: $330pF/100m$
Delay Skew	: $< 45nS$

Approved and Issued By

Head Technical

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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 90 M PERMANENT LINK

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT (dB) Min.	RL (dB) Min.	PS NEXT (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.
1	1.9	65	19.1	62	64.2	61.2
4	3.5	64.1	21	61.8	52.1	49.1
8	5	59.4	21	57	46.1	43.1
10	5.5	57.8	21	55.5	44.2	41.2
16	7	54.6	20	52.2	40.1	37.1
31.25	9.8	50	18.5	47.5	34.3	31.3
62.5	14	45.1	16	42.7	28.3	25.3
100	18.0	41.8	14	39.3	24.2	21.2
200	26.1	36.9	11	34.3	18.2	15.2
250	29.5	35.3	10	32.7	16.2	13.2
300	32.7	34.0	9.2	31.4	14.6	11.6
500	43.8	26.7	8.0	23.8	10.2	7.2

MECHANICAL PROPERTIES

Bending Radius : 8 x Cable Diameter at $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
Pulling Force : 11.5Kg
Temperature Range
Installation : 0° to $+50^{\circ}\text{C}$
Operation : -20° to $+70^{\circ}\text{C}$

CONNECTION SYSTEM

Compatible with all common systems according to ANSI/TIA-568-C.2

FLAME PROPERTIES

Flammability Test – IEC 60332-1

AVAILABLE CABLE COLOR

Grey, Violet ,Natural Or as per Customer Request

PACKING

Available in Reels of 305m Length.

Issued Date : 26.04.2019

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