

APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250MHz.

This cable well exceeds the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801

CONSTRUCTION

Conductor : 23 AWG Solid bare Copper

Insulation : High Density Polyethylene
Solid

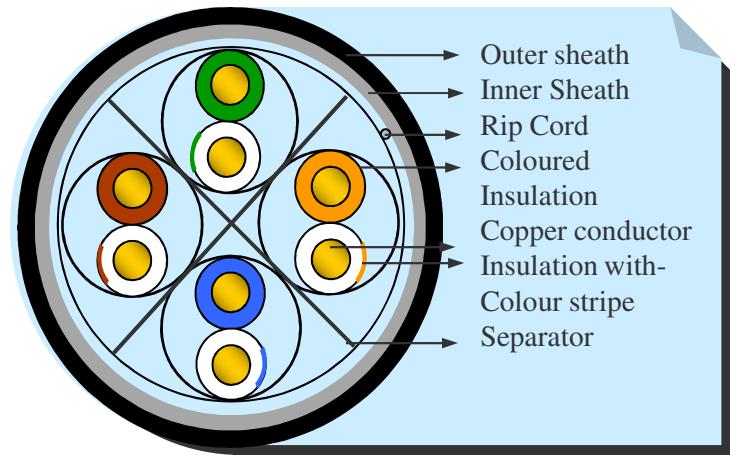
Pairs : 2 Insulated conductors
twisted together

Inner Sheath : PVC

Cable Diameter : 6.0 ± 0.2 mm

Outer Sheath : UV Black PE

Cable Diameter : 7.1 ± 0.3 mm



Printing : Each meter printed with

**STERLITE CATEGORY 6 UTP PVC/PE Outdoor Cable 4/23 AWG ANSI/TIA-568-C.2 Month/Year XXX M
OR As per Customer's 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

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, Wagdhara Road, Dadra Union Territory of Dadra & Nagar Haveli Silvassa-396230 INDIA

Website : www.sterlitetechnologies.com



TRANSMISSION CHARACTERISTICS 85M 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
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19	49.1	36.2	33.2
31.25	10	50	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16	42.7	28.3	25.3
100	18.6	41.8	14	39.3	24.2	21.2
200	27.4	36.9	11	34.3	18.2	15.2
250	31.1	35.3	10	32.7	16.2	13.2

MECHANICAL PROPERTIES

Bending Radius	: < 8 X Cable Diameter at -20°C ± 1°C
Pulling Force	: 11.5Kg
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 and ISO/IEC 11801

AVAILABLE CABLE COLOR

Black
or as per Customer Request

PACKING

Available in Reels of guaranteed 305m Length
OR As per Customer's Request

Issued Date : 07.07.2019

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