

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

FEATURES

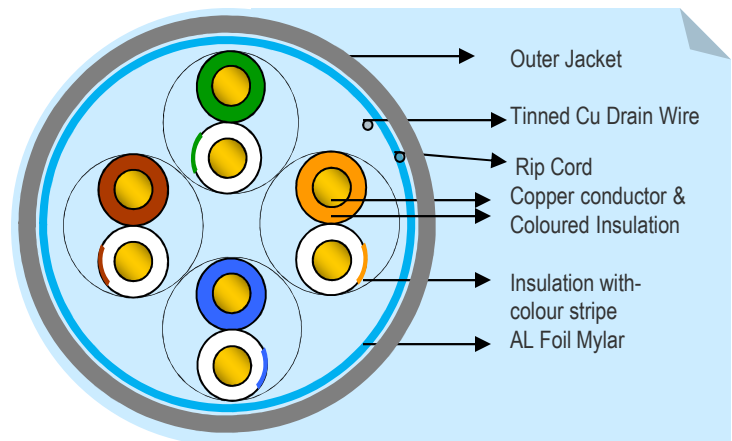
Foil Mylar Shielding gives Protection against EMI and avoid signal loss. Better Mechanical Properties of Cable.

CONSTRUCTION

Conductor	: 24 AWG Solid bare Copper
Insulation	: High Density Polyethylene
Pairs	: 2 Insulated conductors twisted together
Shield	: Aluminum / Polyester Foil
Sheath	: LSZH

Cable Diameter: 6.2 ± 0.3 mm

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

Conductor Resistance	: ≤ 9.38Ω/100m
Mutual Capacitance	: < 5.6nF/100m
Resistance Unbalance	: 5% Max
Capacitance Unbalance	: 330pF/100m
Dielectric Strength	: 2.5 KVDC for 2 Seconds
Delay Skew	: < 45nS

Approved and Issued By

Head Technical

CONTACT



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 at -20°C ± 1°C
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

FLAME PROPERTIES

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

AVAILABLE CABLE COLOR

Grey, Blue or As per customer Request

PACKING

Available in 305meter Reels or as per customer requirement

Issued Date : 01.03.2019

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CONTACT

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