

## LOCAL AREA NETWORK CABLE – LAN EIA / TIA -568.2

**MESC DATA LAN Cables** are available in Category 3, Category 4, and Category 5e performance defined as per EIA / TIA 568-C.2. Category 3 cables are used for data transmission rate of 16 MB/S, Category 4 cables upto 20 Mb/s and Category 5e up to 150 MB/S.

<b>Reference Specifications</b>	EIA / TIA 568-C.2
<b>Construction</b>	24 AWG Solid bare copper insulated with solid polyethylene. Coue coded twisted into pairs and cabled together. Grey PVC Jacket
<b>Printing Text</b>	3P VERIFIED LAN CAT5e (TIA/EIA 568-C.2, ISO/IEC 11801, IEC-60332-1) 4PX24AWG UTP MESC YEAR

MESC CODE	Pairs x Size, AWG	Conductor Dia., mm	Overall diameter mm	Approx weight Kg/Km	Packing length m
Category – 5e M662-04P24AWG-U0GY8-H0	4 x 24	0.51	5.3	33	305

Packing: Available in 1000 ft. ( 305 Mt) length on reels.

### COLOUR CODE CHART

Pairs	A	B
1	White/Blue Stripe	Blue
2	White/Orange Stripe	Orange
3	White/Green Stripe	Green
4	White/Brown Stripe	Brown

D.C. Resistance at 20 °C ( $\Omega$ /Km )	93.8
Impedance ( $\Omega$ ) (1-16 MHZ)	100+/-15
Nominal Capacitance ( pF/m )	46
Halogen acid gas (outer sheath)	$\leq 0.5\%$ ( IEC 60754-1)
Limiting Oxygen index ( outer sheath)	$\geq 30$ (ASTM D2863)

### PERFORMANCE SPECIFICATION AS PER EIA / TIA 568-C.2

Frequency MHz	Max. Attenuation, dB/100m 20°C	Max. Cross talk NEXT Loss, dB/100mtr
1	2.1	65.3
4	4.3	56.3
10	6.6	50.3
16	8.2	47.3
20	9.2	45.8
31.25	11.8	42.9
100	22.0	35.3