



## Catagory 6 UTP LAN Cable

### Description:

0.57 mm Bare Copper, Polyethylene Insulated, Twisted 4 Pair as per TIA/EIA 568 B, Outer PVC Jacket, Blue.

### Physical Characteristics:

<b>Conductor:</b>	
Number of Pairs	4
Total Number of Conductors	8
AWG	23
SWG	24
Stranding	Solid
Conductor Diameter	0.57 mm
Conductor Material	BC - Bare Copper
<b>Insulation:</b>	
Insulation Material	Polyethylene
Insulation Diameter	1.0 mm
<b>Pair Colour Code:</b>	
Pair No. 1	Blue/White-Blue Stripe
Pair No. 2	Orange/White-Orange Stripe
Pair No. 3	Green/White-Green Stripe
Pair No. 4	Brown/White-Brown Stripe
<b>Outer Jacket:</b>	
Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Thickness	0.60 mm
Outer Jacket Diameter	5.50 mm
<b>Mechanical Characteristics:</b>	
Operating Temperature Range	-10° C To +70° C
Bulk Cable Weight	42.780 Kg./Km
Min. Bend Radius (Install)	82.5 mm
<b>Electrical Characteristics:</b>	
Nom. Characteristic Impedance	100 ohms ± 15 ohms
Nom. Mutual Capacitance @1KHz.	44.64 pF/Mtr.
Nominal Velocity of Propagation	70 %
Nom. Conductor DC Resistance @ 20° C	70.10 ohms/Km

### Nominal Attenuation @ 20° C

Frequency in Mhz.	1	4	8	10	16	20	25	31.25	62.5	100	155	200	250
Attenuation in dB/100 M	2	3.8	5.3	6.0	7.6	8.5	9.5	10.7	15.4	19.8	25.2	29.0	32.8

Item	Description	Packing Length	Packing Weight	Jacket Colour
2251	Cat-6 UTP LAN Cable	305 Mtrs.	13.448 Kg.	Blue