



## 2 & 4 PAIR 25 AWG UTP CAT 5E 100 Ohm LAN CABLE

### DESCRIPTION:

Unshielded Twisted Pair (UTP) Cat5e 100 Ohm Data Cable, 25 AWG (0.450 ± 0.010), Solid Bare Copper Conductors, Polyethylene Insulation, Polyester tape, HDPE Jacket.

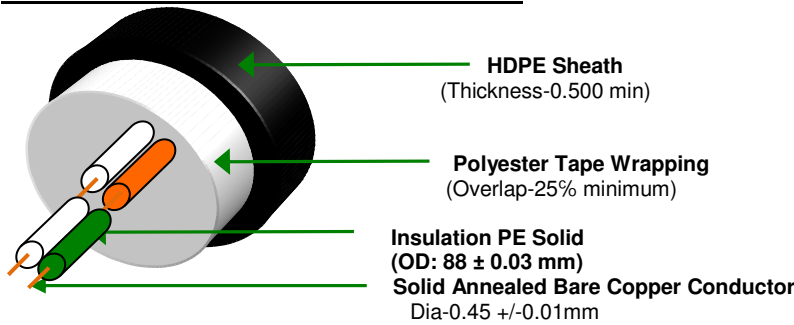
### APPLICATION:

These are structured cables for outdoor Installations. Suitable for Ethernet Applications and compatible with all known connection systems.

### FEATURES:

- Enhanced performance specification up to 100 MHz.
- Optimized Cat5e design offering reduced dimension with excellent transmission properties.

### CABLE CONSTRUCTION & CROSS-SECTION:



**COLOUR CODE** (For 2P Cable) : Pair 1: White/Orange -Orange; Pair 2: White/Green –Green

**COLOUR CODE** (For 4P Cable) : Pair 1: White/Blue -Blue; Pair 2: White/Orange – Orange  
Pair 3: White/Green -Green; Pair 4: White/Brown –Brown

### CABLE MARKING:

BEOL 2/4 PAIR 25 AWG CAT5 UTP CABLE MM/YY 00000 M

### ELECTRICAL CHARACTERISTICS:

Conductor Resistance Unbalance	Max. 5 %
Mutual Capacitance	Max. 5.6 nF/100m
Capacitance Earth Unbalance	Max. 330 pF/100m
Propagation Delay @ 1 MHz, 10 MHz & 100 MHz	Max. 570, 545, 538 ns/100 m
Propagation Delay Skew 1 – 100 MHz	Max. 45 ns/100 m
Other HF Parameters:	

Freq (MHz)	Return Loss (dB)	Insertion Loss (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACRF (ELFEXT) (dB)	PSACRF [PSELFEXT] (dB)
	Min.	Max.	Min.	Min.	Min.	Min.
1.0	15.7	2.0	56.0	53.0	51.8	48.8
4.0	18.7	4.1	47.0	44.0	48.8	45.8
8.0	20.2	5.8	42.5	39.5	42.7	39.7
10.0	20.0	6.5	41.0	38.0	40.8	37.8
16.0	20.0	8.2	37.9	34.9	36.7	33.7
20.0	20.0	9.3	36.5	33.5	34.8	31.8
25.0	19.3	10.4	35.0	32.0	32.8	29.8
31.25	18.6	11.7	33.6	30.6	30.9	27.9
62.5	16.5	17.0	29.1	26.1	24.9	21.9
100	15.1	22.0	26.0	23.0	20.8	17.8

### CABLE DIAMETER , STANDARD LENGTH & PACKING:

Cable Diameter : 3.8 ± 0.5 mm (2pair cable)  
5.0± 0.5 mm (4pair cable)

Available Packaging : 3/5 x 305 mtr coils packed in 1 cardboard box

Available Colour : Black

