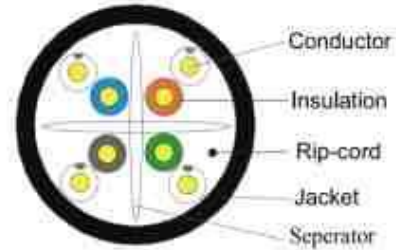


## U/UTP CAT6 PE



### ITEM NO.

U/UTP CAT6 PE

### TEST STANDARD

ISO/IEC 11801, TIA/EIA 568C.2

### CONDUCTOR

#### MATERIAL

Solid Bare Copper

#### Nom.O.D.

0.53±0.005mm

### INSULATION

#### MATERIAL

HDPE

#### Nom.O.D.

0.95±0.05mm

### OUTER JACKET

#### THICKNESS

0.50±0.05mm

#### EXTERNAL O.D.

5.5±0.3mm

#### MATERIAL

PE

#### COLOR

BLACK

### ELECTRICAL CHARACTERISTICS (20°C)

Impedance( $\Omega$ ) 100±15

Delay Shew(ns/100m) ≤45

NVP 69%

Capacitance(nf/100m) ≤5.6

DC Resistance( $\Omega$ /100m) ≤9.5

DC Conductor Resistance

Unbalance(%) ≤5.0

### RIP-CORD

YES

### DRAIN WIRE

NO

## PACKING

### WOODEN REEL



### PALLET



## U/UTP CAT6 PE

### TECHNICAL PERFORMANCE(100M)

FREQUENCY (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR ≥dB	ELFEXT ≥dB	PS ELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	61.5	55.8	52.8
10.0	24.5	5.3	60.8	58.8	55.5	49.7	46.7
16.0	25.0	6.0	59.3	57.3	53.3	47.8	44.8
20.0	25.0	7.6	56.2	54.2	48.6	43.7	40.7
31.25	25.0	8.5	54.8	52.8	46.3	41.8	38.8
62.5	24.3	9.5	53.3	51.3	43.8	39.8	36.8
100	23.6	10.7	51.9	49.9	41.2	37.9	34.9
200	21.5	15.4	47.4	45.4	32.0	31.9	28.9
250	20.1	19.8	44.3	42.3	24.5	27.8	24.8

### JACKET PHYSICAL PROPERTIES

	ITEM	AGING		COLD BEND	
		Aging Period Before Aging	100°C*24h*7d After Aging	Cold Period Bend Radius	-20±2°C*4h 8*Cable O.D.
PVC	Tensile Strength	≥13.5Mpa	≥12.5Mpa	No Visible Cracks	
	Elongation	≥150%	≥125%		
LSZH	Tensile Strength	≥10.0Mpa	≥8.0Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0Mpa	≥8.0Mpa	No Visible Cracks	
	Elongation	≥350%	≥300%		