

# U/UTP CAT6 CABLE



## ITEM NO.

- 6 U/UTP AWG23

## TEST STANDARD

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

## CONDUCTOR

### MATERIAL

- Solid Bare Copper

### NOM.O.D.

- 0.55±0.005mm

## INSULATION

### MATERIAL

- HDPE

### NOM.O.D.

- 1.00±0.05mm

## JACKET

### THICKNESS

- 0.55±0.05mm

### EXTERNAL O.D.

- 6.0±0.3mm

### MATERIAL

- PVC
- LSZH
- PE

### COLOR

- As required

## ELECTRICAL

### CHARACTERISTICS (20)

- Impedance( $\Omega$ ) 100±15
- Delay Shew(ns/100m) ≤45
- NVP 69%
- Capacitance(nf/100m) ≤5.6
- Capacitance unbalanced ≤330 to-ground(pf/100m)
- DC Resistance( $\Omega$ /100m) ≤9.38
- DC Conductor Resistance ≤2.0 Unbalance(%)

### RIP-CORD

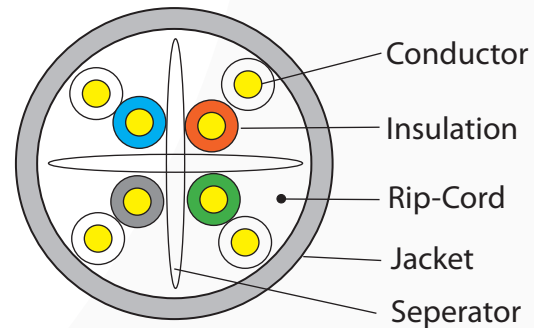
- Yes

### DRAIN WIRE

- No



PULL CARTON	PLASTIC REEL & PULL CARTON	PALLET
		



### TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	2.0	74.3	72.3	67.8	64.8	570
4.0	23.0	3.8	65.3	63.3	55.8	52.8	552
8.0	24.5	5.3	60.8	58.8	49.7	46.7	547
10.0	25.0	6.0	59.3	57.3	47.8	44.8	545
16.0	25.0	7.6	56.2	54.2	43.7	40.7	543
20.0	25.0	8.5	54.8	52.8	41.8	38.8	542
25.0	24.3	9.5	53.3	41.3	39.8	36.8	541
31.25	23.6	10.7	51.9	49.9	37.9	34.9	540
62.5	21.5	15.4	47.4	45.4	31.9	28.9	539
100	20.1	19.8	44.3	42.3	27.8	24.8	538
200	18.0	29.0	39.8	37.8	21.8	18.8	537
250	17.3	32.8	38.3	36.3	19.8	16.8	536

### JACKET PHYSICAL PROPERTIES

#### JACKET

ITEM	AGING		COLD BEND	
	AGING PERIOD Before Aging	100°*24H*7D After Aging	COLD PERIOD Bend Radius	-20±2°C*4H 8*Cable O.D.
<b>PVC</b>	Tensile Strength	≥13.5 Mpa	No Visible Cracks	
	Elongation	≥150 %		
<b>LSZH</b>	Tensile Strength	≥10.0 Mpa	No Visible Cracks	
	Elongation	≥125%		
<b>PE</b>	Tensile Strength	≥10.0 Mpa	No Visible Cracks	
	Elongation	≥350 %		