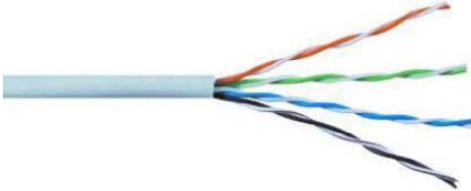
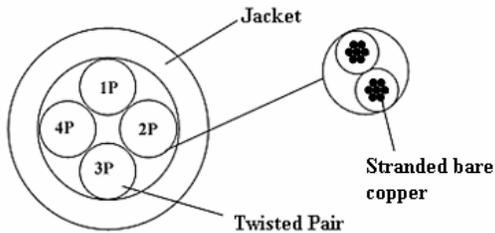




## CATEGORY 5E U/UTP PATCH CABLE 4 PAIR (AWG 26)



Wave Cables 5E U/UTP cables are designed to meet the most advanced U/UTP cable applications. Tested to 100MHz, the performance of this cable meets the requirements for PS-NEXT, attenuation, return loss, attenuation-to-crosstalk ratio (ACR) and impedance, making it ideal for high-end transmission links supporting today's networking protocols.



### Construction

Twisted Pairs Color Code:  
 PAIR 1: Blue, White/Blue  
 PAIR 2: Orange, White/Orange  
 PAIR 3: Green; White/Green  
 PAIR 4: Brown; White/Brown

### Component

Conductor: AWG 26  
 Insulators: HDPE (Min. Thickness 0.153, Min. Avg. thickness 0.178)  
 Insulators Diameter: 0.72 ± 0.01mm  
 Jacket: 75°C PVC (Min. Thickness 0.58, Min. Avg. thickness 0.46)  
 Jacket Diameter: 4.5 ± 0.2mm

### Marking

Wave Cables U/UTP PATCH CABLE 26AWG 4PR CAT.5E

### Physical Characteristics

Un-aged:  
 Tensile strength: Polyolefin 2400PSI, Jacket (PVC) 2000PSI  
 Elongation: Polyolefin 300% min. Jacket (PVC) 100% min  
 After Aging:  
 Tensile strength: Polyolefin 75%min. Jacket (PVC) 85% min  
 Elongation: Polyolefin 75%min. Jacket (PVC) 50% min

### CONSTRUCTION

26AWG bare copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit jacketed with flame-retardant PVC.

### APPLICATIONS

Category 5E U/UTP cable is intended for high speed data applications including: IEEE 802.3 1000BASE-T, 10BASE-T, 155 Mb/s ATM, 4/16 Mb/s Token Ring

### FEATURES

- Specified and tested to 100 MHz
- Small, round design pairs

### BENEFITS

- Reliably supports today's network protocols
- Reduced installation costs and maintenance
- Lower Bit Error Rates, increases network efficiency and uptime

### Electric Characteristics

Voltage rating: 300V  
 Temperature rating: 75°C  
 Dielectric strength: DC 2.5 KV / 2sec. or AC1.75 KV / 2sec.  
 Mutual Capacitance: 5.6 nF/100M nom.  
 Pair to ground : 330pF/100m max  
 Conductor DC resistance: 89 Ohms/km max. at 20°C.  
 DC Resistance Unbalance: 5% max.  
 Characteristic Impedance: 100±15 Ohms 1~100MHz  
 Propagation Delay skew: 45ns/100m max.  
 Velocity of Propagation: 70%

FREQ MHz	NEXT min. dB	RL min. dB at 20°C	PSNEXT min. dB	DELAY max. ns at 20°C
1	65.3	20.0	62.3	570.2
4	56.3	23.0	53.3	552.0
8	51.8	24.5	48.8	546.7
10	50.3	25.0	47.3	545.0
16	47.2	25.0	44.4	543.0
20	45.8	25.0	42.8	542.0
25	44.3	24.2	41.3	541.2
31.25	42.9	23.3	39.9	540.4
62.50	36.4	20.7	35.4	538.6
100	35.3	19.0	32.3	538.0
200	-	-	-	-
250	-	-	-	-