

## Category 5e 4Pair UTP PVC Cable



### Standards

- UL, ETL Verified
- ANSI/TIA 568-C.2
- ISO/IEC 11801
- EN 50173

### Applications

- Voice, ISDN
- 10Base T(IEEE 802.3)
- Fast Ethernet(IEEE802.3)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps ATM
- 1000Base-T
- 550 MHz Broadband video

### Cable Structure

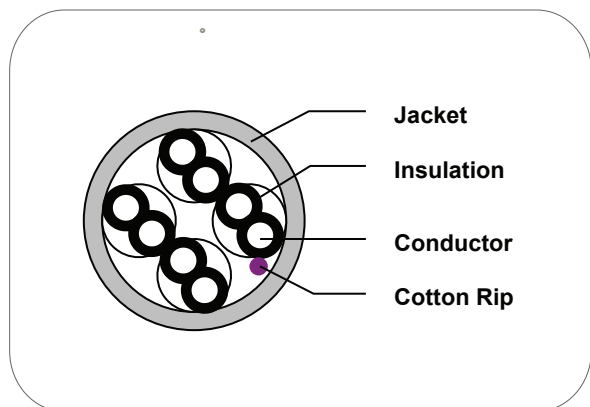
- Twisted pair color code:
  - Pair 1> blue, white/blue ring.
  - Pair 2> orange, white/orange ring
  - Pair 3> green, white/green ring
  - Pair 4> brown, white/brown ring
- Conductor: 24AWG (1x0.50mm) solid anneal copper wire
- Insulation material: HDPE
- Diameter of dielectric core: 0.905±0.05mm
- Insulation thickness: min AVG 0.2mm
- Number of twist pairs: 4 pairs
- Assembly: 4 pairs of dielectric core shall be stranded in circular form.
- Material of jacket: PVC
- Thickness of jacket: AVG 0.6mm
- Nominal O.D.: 5.2±0.2mm
- Flame rating: CM
- Color: Gray

### Electrical Characteristics

- Spark test: 2.5KV
- Impedance: 100Ω 15%
- D.C.R (Max.) : 9.38Ω/100m at 20°C <24AWG>
- D.C.R. Unbalance (Max.): 5% Max.
- Delay Skew (Max.): 45 nS/100m
- Mutual Capacitance: 5.6 nF/100m
- Capacitance, unbalance (Max.): 330 pF/100m
- DC Insulation Resistance (Min.): 1,500MΩ/Km
- Dielectric Strength: AC 350V / 1 min.

### Transmission Performance

Frequency (MHz)	RL dB	Atten. dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB
0.772	-	1.8	67.0	64.0	-	-
1	20.0	2.0	65.3	62.3	63.8	60.8
4	23.0	4.0	56.3	53.3	51.7	48.7
8	24.5	5.8	51.8	48.8	45.7	42.7
10	25.0	6.5	50.3	47.3	43.8	40.8
16	25.0	8.2	47.3	44.3	39.7	36.7
20	25.0	9.3	45.8	42.8	37.7	34.7
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	27.8	24.8
100	20.1	22.0	35.3	32.3	23.8	20.8



### Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1101-03003	Cat.5e 4 pair UTP cable, PVC, 305m/box	PVC	305m Box

Note Specifications are subject to change without any notice or obligation on the part of the manufacturer.