

## Cat.6 4 Pair Unshielded Solid Cable PVC



### Standards

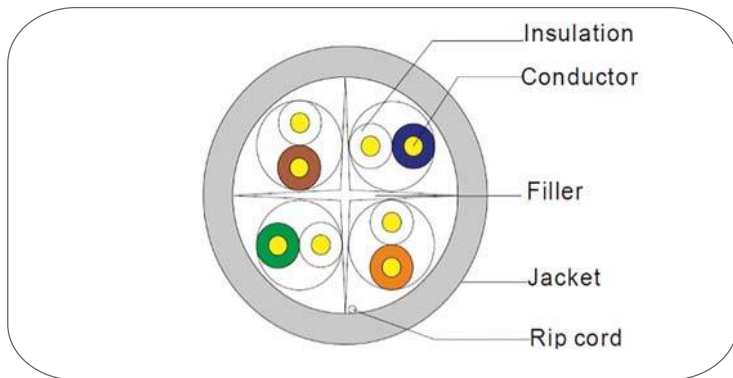
- UL, ETL Verified
- ISO/IEC11801 2nd edition
- ANSI/TIA/EIA Cabling Standard 568-C.2
- CENELEC EN 50173

### Applications

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video

### Compliance Approvals

- ETL Verified to ANSI/TIA-568-C.2 Category 6 - No. 11012547CRT-001
- 3P Certified ANSI/TIA-568-C.2 Category 6 Performance requirements



### 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: 23AWG (1x0.56±0.007mm) solid anneal copper wire
- Insulation material: HDPE
- Diameter of dielectric core: 1.0±0.05mm
- Insulation thickness: min at any point: 0.22mm
- 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.: 6.4±0.2mm
- Flame rating: CM
- Color: Gray

### Physical Characteristics

- Insulation elongation: min 300%
- Insulation tensile strength: min 2400psi
- Jacket elongation: min 100%
- Jacket tensile strength: min 1500psi

### Electrical Characteristics

- Spark test: 2.5KV
- Impedance: 100 Ohm 15%
- D.C.R (Max.) : 9.38 Ohm/100m at 20
- D.C.R. Unbalance (Max.) : 5% MAX./100m
- Capacitance, unbalance (Max.): 330 pF/100m
- DC Insulation Resistance (Min.): 1500M ohm/km
- Dielectric Strength: 2500 Vdc / 3 seconds

### Transmission Performance

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	Power Sum Minimum dB/100m	ELFEXT (dB/ 100m)
1	2.0	74.3	72.3	67.8
4	3.8	65.3	63.3	55.8
10	6.0	59.3	57.3	47.8
16	7.6	56.2	54.2	43.7
20	8.5	54.8	52.8	41.8
31.25	10.7	51.9	49.9	37.9
62.5	15.4	47.4	45.4	31.9
100	19.8	44.3	42.3	27.8
200	29.0	39.8	37.8	21.8
250	32.8	38.3	36.3	19.8

### Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1101-04004	Cat.6 4P UTP 23 AWG Solid PVC Gray	PVC	305m (1,000ft) /reel

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