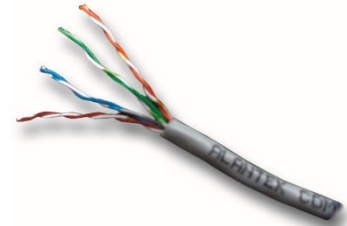
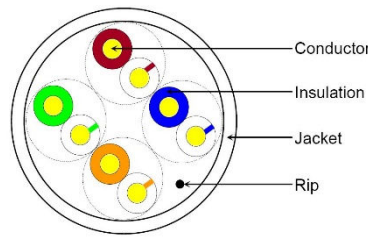




Cat 5E 4-pair 24AWG U/UTP Unshielded Cable



| DESCRIPTION | |
|---------------|--|
| Rating Temp : | 75°C |
| Flame Test : | CM |
| Application : | Horizontal Wiring |
| Standard : | ISO/IEC 11801, TIA/EIA 568B UL 444, ETL, 3P |

| CONSTRUCTION & DIMENSION | |
|--------------------------|--|
| Conductor : | Material : Solid Plain Copper Size : 24 AWG x 4 Pair Construction : 1/0.49 ± 0.02 mm |
| Insulation : | Material : HDPE Min. Ave. Thickness : 0.21 mm Min. Thickness at any point : 0.20 mm Diameter : 0.92 ± 0.02 mm |
| Identification : | 1. Blue x White / Blue 2. Orange x White / Orange 3. Green x White / Orange 4. Brown x White / Brown |
| Core Assembly : | Core Twist : 2 core twist Assembly Pair : 4 pair assembly |
| Jacket : | Material : PVC Thickness : 0.52 ± 0.2 mm Min. Thickness at any point : 0.50 mm Diameter : 5.0 ± 0.2 mm |

| ELECTRICAL & PHYSICAL PROPERTIES | | | | | | | | | |
|----------------------------------|---------|------|---------|------|---------|---------|--------|-----------|----|
| FREQ. | ATTN. | NEXT | ACR | RL | PS NEXT | PS ACR | ELFEXT | PS ELFEXT | |
| MHz | dB/100m | dB | dB/100m | dB | dB | dB/100m | dB | dB | dB |
| 1.0 | 2.0 | 67.0 | 65.0 | 20.0 | 65.0 | 63.0 | 69.0 | 66.0 | |
| 4.0 | 4.0 | 58.0 | 54.0 | 23.0 | 56.0 | 52.0 | 56.8 | 53.8 | |
| 10.0 | 6.3 | 52.0 | 45.7 | 25.0 | 50.0 | 43.7 | 49.0 | 46.0 | |
| 16.0 | 8.0 | 48.9 | 40.9 | 25.0 | 46.9 | 38.9 | 44.8 | 41.8 | |
| 20.0 | 9.0 | 47.5 | 38.5 | 25.0 | 45.5 | 36.5 | 42.5 | 39.5 | |
| 31.25 | 11.4 | 44.6 | 33.2 | 23.6 | 42.6 | 31.6 | 39.0 | 36.0 | |
| 62.5 | 16.5 | 40.1 | 23.6 | 21.5 | 38.1 | 21.6 | 32.9 | 29.9 | |
| 100.0 | 21.3 | 37.0 | 15.7 | 20.1 | 35.0 | 13.7 | 29.0 | 26.0 | |

| | |
|---|----------------|
| Characteristic Impedance (1 – 100 Mhz) : | 100 ± 15 Ω |
| Mean Characteristic Impedance @ 100 Mhz : | 100 ± 5 Ω |
| DC Resistance, max: | 8.76 Ω/100m |
| Resistance Unbalance, max : | ≤ 5 % |
| DC Loop Resistance : | 170 Ω/Km |
| Capacitance Unbalance (Pair-to-Ground), max : | 330 pF/100m |
| Mutual Capacitance, nominal : | ≤ 45 pF/m |
| Propagation Delay, max : | 80 ns/100m |
| Delay Skew, max. : | 20 ns/100m |
| Nominal Velocity of Propagation (NVP) : | 69 % |
| Max. Tensile Load (Installation) : | 100 N |
| Temperature (Operation) : | -20°C to +80°C |
| Temperature (Installation) : | 0°C to +80°C |

| Part Number # | Description |
|-----------------|---|
| 301-10008E-03GY | Cat 5E 4-pair 24AWG U/UTP Unshielded Cable, PVC, Grey - 305m |
| 301-10008E-05GY | Cat 5E 4-pair 24AWG U/UTP Unshielded Cable, PVC, Grey - 500m |
| 301-10008E-10GY | Cat 5E 4-pair 24AWG U/UTP Unshielded Cable, PVC, Grey - 1000m |