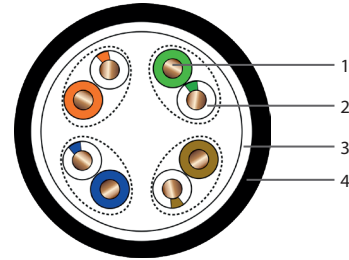
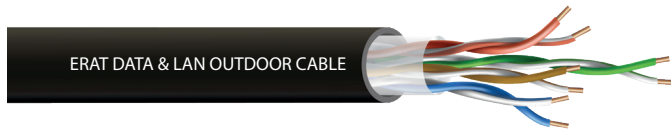


CAT 5E U-UTP 24 AWG OUTDOOR DATA CABLE



| WHERE IT IS USED/ FEATURES | CABLE STRUCTURE |
|--|---|
| <p>ERAT CAT 5E Outdoor UV resistant, black PE outer sheathed cables are suitable for severe conditions for external applications. The cat CAT 5E outdoor (Outdoor) UV resistant, black PE outer sheathed cables are suitable for severe conditions for external applications. It is widely used in network systems.</p> <p>ERAT CAT 5E U/UTP cables, cable carrying 100Mbit/s data at a speed of 100 MHz it's kind of. It provides high data migration and is less affected by foreign signals.</p> <ul style="list-style-type: none"> • 10BASE-T Ethernet • ISDN, TPDDI, TP-PMD • Power Over Ethernet (PoE) • 100BASE-T "Fast Ethernet" • 100BASE-T2/ 100BASE-T4 • 100BASE-TX | <ol style="list-style-type: none"> 1. Copper Conductor 2. PE Insulation 3. Polyester Tape 4. Outer Jacket |

| PHYSICAL PROPERTIES | |
|---------------------------------------|--|
| Conductive | Solid, annealed copper |
| Conductor Diameter | 24 AWG |
| Insulation | Polyolefin |
| Number of Insulated Conductors | 8, twisted in 4 pairs |
| Polyester Tape Wrap | Polyester Tape provides 100% coverage |
| Outer Jacket | Resistant to outdoor conditions, fully compatible with PE Th and UV conditions |
| Jacket Color | Black. (Different colors can be produced according to customer demand.) |
| Cable information the text | Brand, Type of cable, Relevant standards, Date, Serial number, Meter |

| MECHANICAL AND ENVIRONMENTAL PROPERTIES | |
|---|----------------------------|
| Pulling Force | 60 N / mm ² max |
| Bending Radius (Short Term) | 4 x Cable Diameter |
| Bending Radius (Long Term) | 8 x Cable Diameter |
| Operating Temperature | -40 to +80 °C |
| Installation Temperature | -10 to +60 °C |
| Storage Temperature | -40 to +80 °C |

CAT 5E U-UTP 24 AWG OUTDOOR DATA CABLE

| PACKAGING & SIZE & WEIGHT | | |
|---------------------------|---------------------|-------------------------|
| Packaging Type | Outer Diameter (mm) | Approximate Weight (kg) |
| 100 m Roll | 5.9±0.3 | 3.4 |
| 305 m Box | 5.9±0.3 | 10.64 |
| 500 m Plywood Reel | 5.9±0.3 | 16.3 |
| 1000 m Plywood Reel | 5.9±0.3 | 32.2 |

| ELECTRICAL SPECIFICATIONS | |
|-------------------------------------|--------------------------------|
| Characteristic Impedance | 100±6 Ohm @ 1-100 MHz |
| DC Resistance | 93 Ohm/km max. |
| Resistance Unbalance | 2% max. |
| Capacitance | 56 pF/m nom. @ 1 KHz |
| Capacity Imbalance (Wire to ground) | 1600 pF/km max. @ 1 KHz. |
| Voltage | 72 Vdc max. |
| Dielectric Strength | 1.7 kV a.c. / 2 seconds |
| Velocity of Propagation (NVP) | Min. % 67 - 69 |
| Insulation Resistance | 5000 MegaOhm·km min. @ 500 Vdc |
| Transfer Impedance | N/A |

| Frequency (MHz) | Return Loss (dB) | Insertion Loss (dB) | NEXT Loss (dB) | PS NEXT Loss (dB) | ACRF (dB) |
|-----------------|------------------|---------------------|----------------|-------------------|-----------|
| | Min. | Max. | Min. | Min. | Min. |
| 1.00 | 19.0 | 2.1 | 60.0 | 57.0 | 58.6 |
| 4.00 | 19.0 | 3.9 | 54.8 | 51.8 | 46.6 |
| 8.00 | 19.0 | 5.5 | 50.0 | 47.0 | 40.6 |
| 10.00 | 19.0 | 6.2 | 48.5 | 45.5 | 38.6 |
| 16.00 | 19.0 | 7.9 | 45.2 | 42.2 | 34.5 |
| 20.00 | 19.0 | 8.9 | 43.7 | 40.7 | 32.6 |
| 25.00 | 18.0 | 10.0 | 42.1 | 39.1 | 30.7 |
| 31.25 | 17.1 | 11.2 | 40.5 | 37.5 | 28.7 |
| 62.50 | 14.1 | 16.2 | 35.7 | 32.7 | 22.7 |
| 100.00 | 12.0 | 21.0 | 32.3 | 29.3 | 18.6 |

| ISOLATED COLORS | | | | | | | |
|-----------------|------------|--------|---------------|-------|--------------|-------|-------------|
| | | | | | | | |
| Blue | Blue/White | Orange | Orange /White | Green | Green /White | Brown | Brown/White |