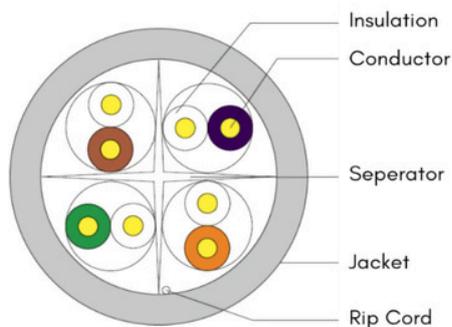


Category 6 U/UTP Cable, 24AWG, PVC

Category 6 U/UTP 4-pair Cable is a 1 Gigabit Ethernet unshielded cable, designed to provide Category 6 Link and Channel performance with internationally defined physical and electrical performance up to 250MHz.

This cable guarantees Category 6 performance ensuring maximum network speed, data throughput and efficiency.



Standards

- ANSI/TIA-568.2-D
- ISO/IEC 11801
- IEEE 802.3bt
- 10/100/1000Base-T
- 155Mbps ATM
- Power over Ethernet (POE)

Construction

| | |
|----------------------------|--------------------------------------|
| Conductor | Solid Bare Electrolytic Grade Copper |
| Nominal Conductor Diameter | 24 AWG |
| Insulation | HDPE |
| Separator | HDPE |
| Jacket | PVC |
| Nominal Outside Diameter | 5.60 ± 0.30mm |
| Colour of Jacket | Grey |
| Rip Cord | Yes |
| Sequential Marking | At Every Meter |
| Packaging | 305 Meters in Pull Box |

Electrical Data

| | |
|----------------------------------|---------------------|
| DC resistance at 20°C (max) | 9.8Ω / 100m |
| DC resistance unbalance (max) | 5% |
| Mutual capacitance at 20°C (max) | 5.6nF / 100m |
| Capacitance Unbalance (max) | 330PF/100m |
| Operating voltage (max) | 300V DC |
| Delay Skew | 536ns /100m |
| Worse case cable skew | 45ns / 100m |
| Impedance (Ω) | 100±15 |
| Nominal velocity of propagation | 69% |
| Dielectric Strength | 1.5kV AC / 2.5kV DC |



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Environmental

| | |
|-----------------------|--------------|
| Transport and storage | -20° to 75°C |
| Installation | 4° to 50°C |
| Operation | -20° to 75°C |

Compliances

| | |
|---------------|-------------|
| Flammability | UL 1666 |
| Smoke density | ASTM 2843 |
| Acid gas | IEC 60754-1 |

Transmission Performance

| Frequency in MHz | Attenuation (dB/100m) max. | NEXT (dB) min. | PS NEXT (dB) min. | ACRF (dB/100m) min. | PS ACRF (dB/100m) min. | RL (dB/100m) |
|------------------|----------------------------|----------------|-------------------|---------------------|------------------------|--------------|
| 1 | 2.1 | 65.0 | 62.0 | 63.3 | 60.3 | 19.0 |
| 4 | 4.0 | 63.0 | 60.5 | 51.2 | 48.2 | 19.0 |
| 8 | 5.7 | 58.2 | 55.6 | 45.2 | 42.2 | 19.0 |
| 10 | 6.3 | 56.6 | 54.0 | 43.3 | 40.3 | 19.0 |
| 16 | 8.0 | 53.2 | 50.6 | 39.2 | 36.2 | 18.0 |
| 20 | 9.0 | 51.6 | 49.0 | 37.2 | 34.2 | 17.5 |
| 25 | 10.1 | 50.0 | 47.3 | 35.3 | 32.3 | 17.0 |
| 31.25 | 11.4 | 48.4 | 45.7 | 33.4 | 30.4 | 16.5 |
| 62.5 | 16.5 | 43.4 | 40.6 | 27.3 | 24.3 | 14.0 |
| 100 | 21.3 | 39.9 | 37.1 | 23.3 | 20.3 | 12.0 |
| 200 | 31.5 | 34.8 | 31.9 | 17.2 | 14.2 | 9.0 |
| 250 | 35.9 | 33.1 | 30.2 | 15.3 | 12.3 | 8.0 |

How to Order

| Description | Colour | Quantity | Product Code |
|-----------------------------|--------|-----------|--------------|
| Category 6 U/UTP Cable, PVC | Grey | 305m/Reel | 501200-4 |

Other cable Quantities and Colours are available upon request.