

Category 5e Cable
4 Pair, 24 AWG, Solid Bare Copper Conductors,
HDPE Insulation, Ripcord, FR-PVC Jacket

CONSTRUCTION CHARACTERISTICS

| | |
|---------------------------------|---------------------------|
| Number of Pairs | 4 |
| Total Number of Conductors | 8 |
| AWG | 24 (0.49 mm) |
| Conductor | Solid bare copper |
| Insulation Material | HDPE |
| Outer Jacket OD | 0.201 in |
| Outer Jacket Material | FR-PVC |
| Outer Jacket Ripcord | Yes |
| Cable Weight | 20 lb/1000 ft (9.1 kg/km) |
| Max Recommended Pulling Tension | 35 lb |
| Min Bend Radius (Install) | 1.0 in |
| Jacket Colors | Black, UV resistant |



ELECTRICAL CHARACTERISTICS

| | |
|-------------------------------------|---|
| Impedance @ 1 MHz to 100 MHz | 100 Ω ± 15 Ω |
| Nom Mutual Capacitance @ 1 KHz | 15 pF/ft |
| Max Capacitance Unbalance | 330 pF/100 m |
| Nom Velocity of Propagation | 70% |
| Max Delay (ns/100 m) @ 100 MHz | 538 ns |
| Max Delay Skew | 45 ns/100 m |
| Max DCR Unbalance @ 20 °C | 5% |
| Max Conductor DC Resistance @ 20 °C | 9.38 Ω/100 m |
| Max Operating Voltage (UL) | 300 V RMS |
| UL | CM |
| Swept Certification | Swept to 350 MHz Certified to 100 MHz |
| Transmission Standards | TIA/EIA-568-C.2, ETL Listed, ISO/IEC 11801 Class D |

ENVIRONMENTAL CHARACTERISTICS

| | |
|--------------------------|---|
| Operating Temperature | -22 °F to +194 °F (-30 °C to +90 °C) |
| Installation Temperature | 14 °F to +140 °F (-10 °C to +60 °C) |

PACKAGING

| | |
|-----------|---|
| Packaging | 1000 ft pull box Other options available |
|-----------|---|

| Frequency (MHz) | Attenuation* (Min dB) | Return Loss* (Max dB/100 m) | NEXT* (Min dB) |
|-----------------|-----------------------|-----------------------------|----------------|
| 1 | 2.0 | 23.0 | 0.3 |
| 4 | 4.1 | 23.0 | 61.2 |
| 10 | 6.5 | 25.0 | 55.3 |
| 16 | 8.2 | 25.0 | 52.3 |
| 31.25 | 11.7 | 23.6 | 47.9 |
| 62.5 | 17.0 | 21.5 | 43.4 |
| 100 | 22.0 | 20.1 | 40.3 |
| 155 | 28.1 | 18.8 | 37.4 |
| 200 | 32.4 | 18.0 | 35.7 |
| 250 | 38.9 | 17.5 | 34.8 |
| 300 | 41.0 | 16.8 | 33.1 |
| 350 | 44.9 | 16.3 | 32.1 |

*Values Above 100 MHz are Information Only