

## Cat.6 U/UTP Patch Cable

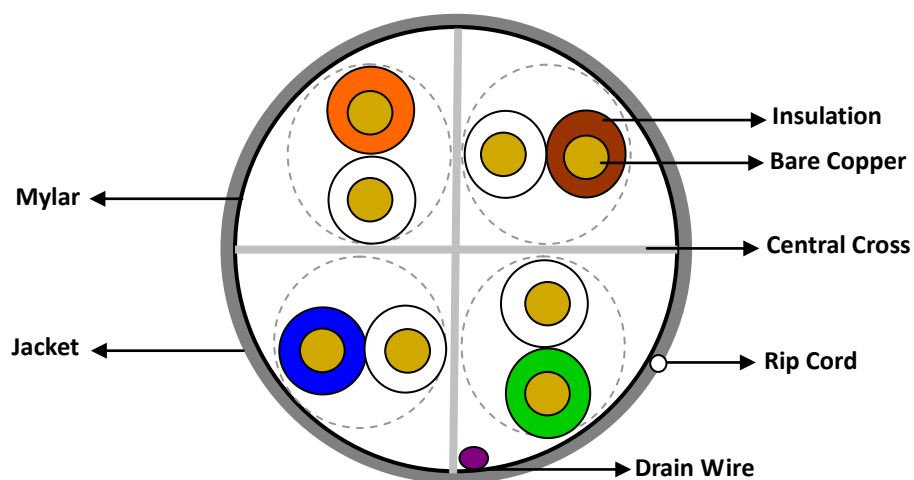


100461

100463

The equip<sup>®</sup> Copper Patch Cable is made of preeminent materials and thoroughly examined to meet or surpass industrial standards defined by the EIA / TIA, ISO and EN standard bodies. The performance is guaranteed via a comprehensive test including attenuation, return loss, NEXT (Next End Crosstalk) and FEXT (Far End Crosstalk) up to 250MHz and hence the equip<sup>®</sup> Patch Cable serves well in the most demanding networking environments.

### | Structure





[www.equip-info.net](http://www.equip-info.net)

## | Specification

|            |              |                                                                            |
|------------|--------------|----------------------------------------------------------------------------|
| Conductor  | Material     | Bare Copper                                                                |
|            | Construction | 24AWG, 7/0.20 ± 0.015mm                                                    |
| Insulation | Material     | HD-PE                                                                      |
|            | Thickness    | MIN at any point: 0.18 mm / MAX AVG: 0.20 mm                               |
|            | Diameter     | 0.96 ± 0.03mm                                                              |
|            | Colors       | Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown |
| Jacket     | Material     | PVC                                                                        |
|            | Thickness    | MIN at any point: 0.50mm / MAX AVG: 0.58mm                                 |
|            | Diameter     | 5.8 ± 0.3mm                                                                |
|            | Colors       | Beige                                                                      |
|            | Marking      | equip CAT.6 U/UTP PATCH CABLE 350MHZ E213738 CM (UL) C(UL)                 |

## | Electrical Properties

|                       |                         |
|-----------------------|-------------------------|
| Spark Test            | 2000 ± 250 VOC          |
| Dielectric Strength   | 1000V dc/3 seconds      |
| Insulation Resistance | MIN 150MΩ/KM            |
| Conductor Resistance  | MAX 9.38 Ω/100m at 20°C |
| Resistance Unbalance  | MAX 5%                  |
| Capacitance Unbalance | MAX 330pF/100m          |
| Mutual Capacitance    | MAX 560pF/100m          |
| Impedance             | 100± 15Ω                |

## | Performance

| Frequency<br>(MHz) | Impedance<br>(Ω) | RL<br>dB/100m | Attenuation<br>dB/100m | NEXT<br>(dB) | PS-NEXT<br>(dB) |
|--------------------|------------------|---------------|------------------------|--------------|-----------------|
| 772KHz             | 100 ± 15         | 19.44         | 1.84                   | 76.0         | 74.0            |
| 1MHz               | 100 ± 15         | 20.00         | 2.04                   | 74.30        | 72.3            |
| 4MHz               | 100 ± 15         | 23.01         | 3.81                   | 65.3         | 63.3            |
| 8MHz               | 100 ± 15         | 24.52         | 5.35                   | 60.8         | 58.8            |
| 10MHz              | 100 ± 15         | 25.00         | 5.99                   | 59.3         | 57.3            |
| 16MHz              | 100 ± 15         | 25.00         | 7.60                   | 56.2         | 54.2            |
| 20MHz              | 100 ± 15         | 25.00         | 8.52                   | 54.8         | 52.8            |
| 25MHz              | 100 ± 15         | 24.32         | 9.57                   | 53.3         | 51.3            |
| 31.25MHz           | 100 ± 15         | 23.64         | 10.74                  | 51.9         | 49.9            |
| 62.5MHz            | 100 ± 15         | 21.54         | 15.48                  | 47.4         | 45.4            |
| 100MHz             | 100 ± 15         | 20.10         | 19.92                  | 44.3         | 42.3            |
| 125MHz             | 100 ± 22         | 19.42         | 22.49                  | 42.8         | 40.8            |
| 200MHz             | 100 ± 22         | 18.00         | 29.15                  | 39.8         | 37.8            |
| 250MHz             | 100 ± 32         | 17.32         | 33.04                  | 38.3         | 36.3            |

## | Ordering Information

| PN     | EAN           | Packing      | Weight |
|--------|---------------|--------------|--------|
| 100461 | 4015867105078 | Equip EZ Box | 6Kg    |
| 100463 | 4015867105085 | Equip EZ Box | 12Kg   |

## | Typical Applications

- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Class E ISO/IEC 11801 2nd Edition & EN 50173