



# 3M™ U/UTP Category 6 LSOH-3 Cables 6UU23L23-25T4P500GR

## Product Description

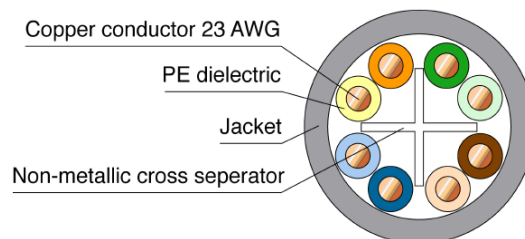
3M™ Category 6 U/UTP 4-Pair LSOH-3 cable enables deployment of unshielded Category 6 / Class E systems in the extended IEC flammability range according to IEC 60332-3-25. The cable supports high bandwidth applications operating at 1.2 Gbit/s. The cable is round, which simplifies jack assembly and cable management.

| Applications                                 |  |
|--|--|
| IEEE 802.3: 1000BASE-T; 100BASE-TX; 10BASE-T |  |
| ATM LAN 1.2 Gbit/s                           |  |
| IEEE 802.3af – PoE; IEEE 802.3at - PoE+      |  |

| Typical Properties  |                              |
|---------------------|------------------------------|
| Conductor Diameter  | AWG 23 (Ø 0.561 +/- 0.015mm) |
| Insulation Diameter | PE Ø 1.0 +/- 0.05 mm         |
| Separator           | Non-metallic cross separator |
| Cable assemblies    | 1x4 pairs                    |
| Sheath Material     | LSZH                         |
| Jacket Color        | green                        |

| Mechanical Features             |                     |
|---------------------------------|---------------------|
| Cable outer diameter            | 6.1 +/-0.3 mm       |
| <b>Bending Radius</b>           |                     |
| Dynamic (installation):         | ≥ 8x outer diameter |
| Static (installed):             | ≥ 4x outer diameter |
| <b>Temperature Range:</b>       |                     |
| In service:                     | -20°C to +60°C      |
| Installation/Transport/Storage: | 0°C to +50°C        |

| Electrical Features (@ 20°C ± 5°C)           |                       |
|--|-----------------------|
| DC Resistance (max)                          | 9,38 Ω / 100m @ 20°C  |
| Resistance Unbalance (max)                   | 2 % @ 20°C            |
| Insulation Resistance (500 V)                | ≥ 5000 MΩ.km @ 20°C   |
| Mutual Capacitance (nominal)                 | 5.1 nf / 100m @ 1 KHz |
| Test Voltage (DC, min)                       | 1 kV / 1 min          |
| Capacitance Unbalance (max) (pair to ground) | 160 pf / 100m @ 1 KHz |
| NVP (nominal)                                | 67%                   |



23AWG Cat.6 UUTP 4-Pair LSOH-3 Solid Wire Cable



**Standards**

| Cable  | Cabling System                                      | Fire Rating               | Directive                            | Smoke/Gas                                 |
|--|---|---------------------------|--------------------------------------|---|
| IEC 61156-5 ed.2<br>ANSI/TIA 568-C.2<br>EN 50288-6-1 | ISO/IEC 11801 ed.2<br>EIA/TIA 568-C.2<br>EN 50173-1 | FRLSZH:<br>IEC 60332-3-25 | 2011/65/EU (RoHS2)<br>LVD 2006/95/EC | IEC 61034-2<br>IEC 60754-1<br>IEC 60754-2 |

**Ordering Information****Reference Number**

3M™ Category 6 U/UTP Cable  
500m reel, LSOH, IEC 60332-3-25, green

6UU23L3-25T4P500GR

**Important Notice**

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