

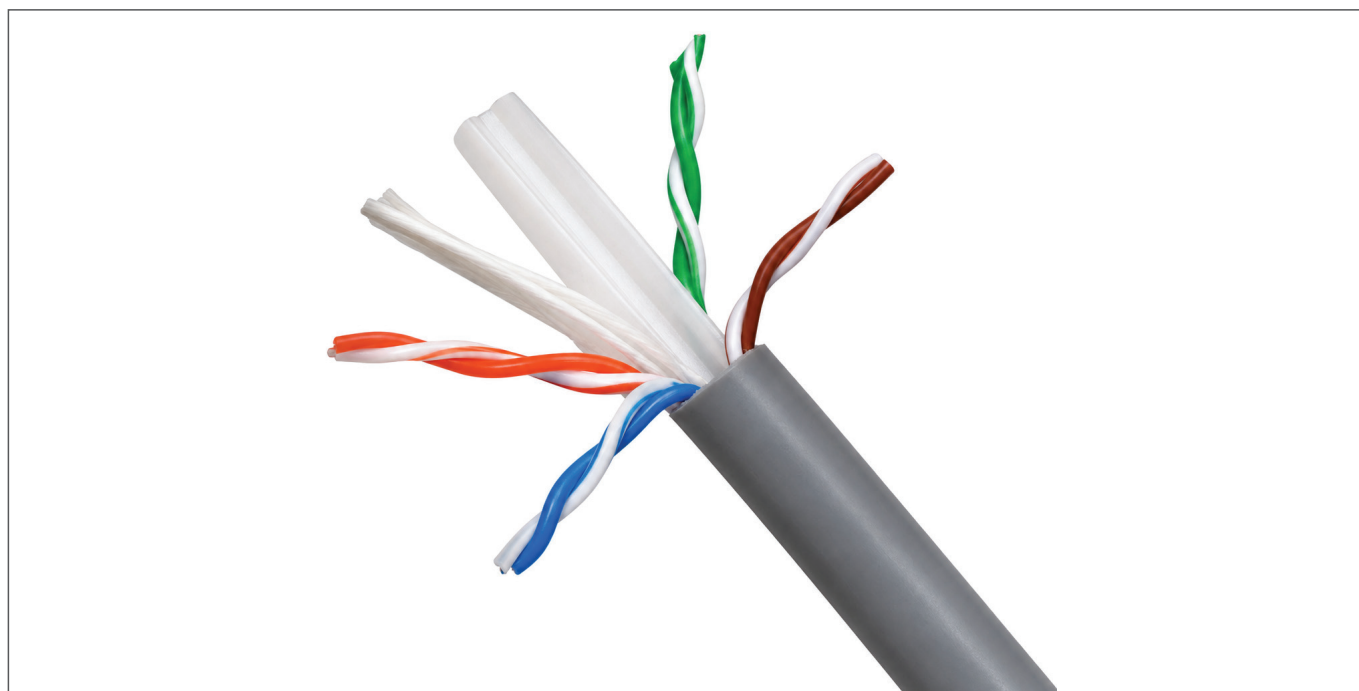
23 AWG Solid Copper, Unshielded Twisted Pair, LSZH/PVC Jacket — DHRUVA Connect

1. Product Overview

The DHRUVA Connect Category 6 U/UTP (unshielded twisted pair) LAN cable is engineered to support Gigabit Ethernet (1000BASE-T) transmission across structured cabling networks. The cable operates at a rated bandwidth of up to 250 MHz and is manufactured with 23 AWG solid bare-copper conductors for consistent, low-loss signal transmission. Design and performance exceed the minimum requirements of ANSI/TIA-568-C.2 (Category 6) and ISO/IEC 11801 (Class E), with compliance independently verified by ETL.

2. Key Features

- Fully compliant with Category 6 performance specifications.
- 4-pair unshielded twisted pair (U/UTP) construction.
- 23 AWG solid bare-copper conductors for superior conductivity.
- HDPE (high-density polyethylene) primary insulation on each conductor.
- Flame-retardant PVC (FR-PVC) outer jacket; LSZH and PE variants also available.
- Compliance with EIA/TIA cabling standards independently verified by ETL.
- UL-listed.
- Packaged in an easy-pull box for simplified cable payout during installation.



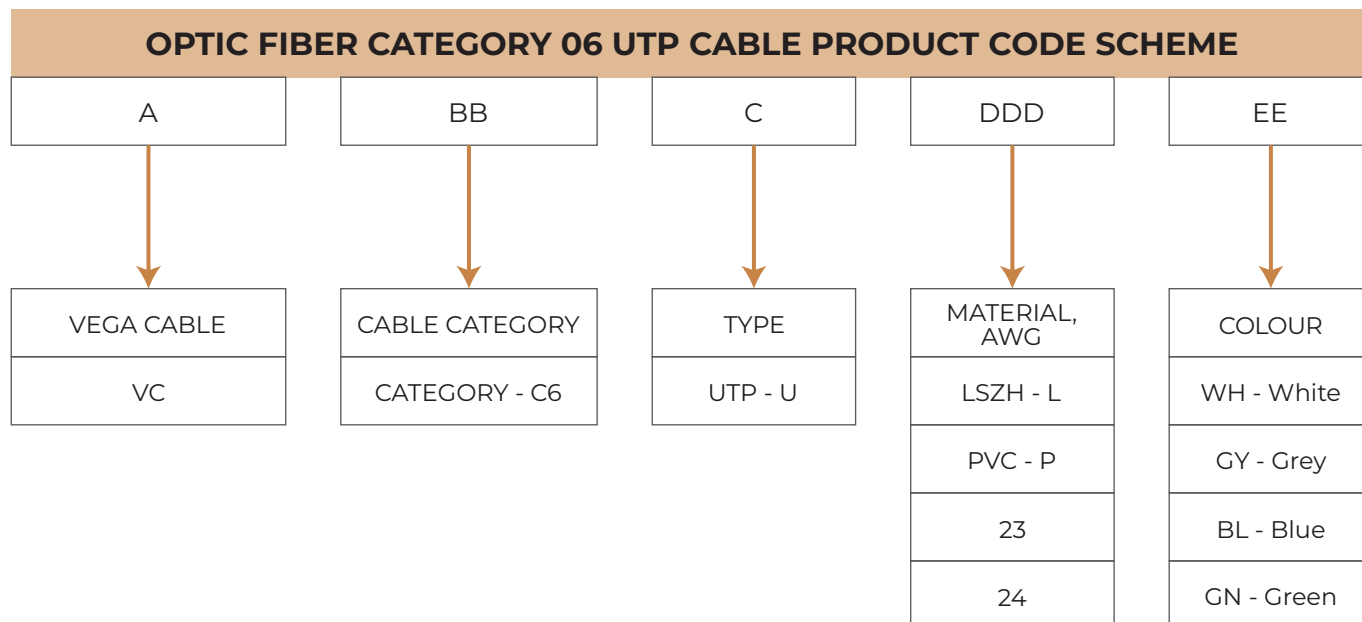


Category 6 U/UTP LAN Cable

3. Technical Specifications

Parameter	Specification
Category	Category 6, U/UTP solid-conductor cable
Number of Pairs	4
Number of Conductors	8
Rated Bandwidth	250 MHz
Conductor Gauge	23 AWG (solid)
Conductor Material	Bare solid copper
Insulation Material	HDPE (high-density polyethylene)
Outer Jacket Material	FR-PVC / LSZH / PE (variant-dependent)
Conductor Outer Diameter	0.565 ± 0.005 mm
Insulation Diameter	0.95 ± 0.03 mm
Overall Cable Diameter	6.1 ± 0.2 mm
Pair Construction	2 insulated conductors twisted together
Capacitance Unbalance	330 pF/100 m
Resistance Unbalance	5% max.
Delay Skew	< 50 ns
Standard Put-Up	305 m per box; 500 m per roll
Certifications	CE, UL, RoHS, ETL

4. Ordering Information



Part Number	Description
VC-C6-U-L23-GY	DHRUVA Connect – Category 6 U/UTP Cable, Solid 23 AWG, LSZH Jacket, 305 m, Grey

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