

Overview

The **SOLITINE Unshielded Twisted Pair (UTP) Category-6 Patch Cords** are engineered for high-performance Gigabit Ethernet networks in residential, commercial, and data center environments. Built with pure stranded copper conductors and precision twisted pairs, these patch cables minimize crosstalk and signal loss, ensuring maximum bandwidth delivery up to 250 MHz for critical networking infrastructure.



Key Features

- **High Conductivity:** Premium 24 AWG stranded bare copper conductors deliver optimal conductivity and superior durability for frequent movement.
- **Snag-Free Design:** Durable RJ45 connectors featuring integrated strain-relief boots prevent latch damage and cable snags during installation.
- **Optimized Signal Integrity:** Precision pairs twisted UTP construction effectively reduces Near-End Crosstalk (NEXT) and system noise.
- **Robust Jacket:** Flexible and fire-retardant PVC jacket designed for easy routing through patch panels and high-density rack configurations.

Application

- High-speed connections between patch panels, network switches, routers, and servers.
- Workstation connections (PC, IP phones, wireless access points, smart TVs, gaming consoles).
- Gigabit Ethernet (1000BASE-T), Fast Ethernet (100BASE-TX), and Power over Ethernet (PoE) deployments.

Technical Specifications

Parameter	Specification
Conductor Material	100% Stranded Bare Copper
Conductor Gauge	24 AWG
Frequency Bandwidth	Up to 250 MHz
Data Transfer Rate	Up to 1 Gbps (10/100/1000 Mbps)
Jacket Material	Flexible PVC
Connector Type	RJ45 (8P8C) with Snagless Boot
Wiring Scheme	T568A / T568B Standard
Operating Temperature	-20°C to +60°C

Compliant Standards

- ANSI/TIA-568.2-D Category 6 Standards
- ISO/IEC 11801 Class E
- EN 50173-1
- RoHS Compliant
- Backward compatible with Cat5 and Cat5e standards

Ordering Information

Part Number	Description	Cable Length	Color
SOPC05Y-6	Solitine Cat6 UTP Patch Cable, 0.5m, Yellow	0.5 Meter	Yellow
SOPC05B-6	Solitine Cat6 UTP Patch Cable, 0.5m, Blue	0.5 Meter	Blue
SOPC05O-6	Solitine Cat6 UTP Patch Cable, 0.5m, Orange	0.5 Meter	Orange
SOPC05G-6	Solitine Cat6 UTP Patch Cable, 0.5m, Green	0.5 Meter	Green
SOPC10Y-6	Solitine Cat6 UTP Patch Cable, 1m, Yellow	1 Meter	Yellow
SOPC10B-6	Solitine Cat6 UTP Patch Cable, 1m, Blue	1 Meter	Blue
SOPC10O-6	Solitine Cat6 UTP Patch Cable, 1m, Orange	1 Meter	Orange
SOPC10R-6	Solitine Cat6 UTP Patch Cable, 1m, Red	1 Meter	Red
SOPC20G-6	Solitine Cat6 UTP Patch Cable, 2m, Green	2 Meter	Green
SOPC20B-6	Solitine Cat6 UTP Patch Cable, 2m, Blue	2 Meter	Blue
SOPC20O-6	Solitine Cat6 UTP Patch Cable, 2m, Orange	2 Meter	Orange
SOPC20R-6	Solitine Cat6 UTP Patch Cable, 2m, Red	2 Meter	Red
SOPC30Y-6	Solitine Cat6 UTP Patch Cable, 3m, Yellow	3 Meter	Yellow
SOPC30B-6	Solitine Cat6 UTP Patch Cable, 3m, Blue	3 Meter	Blue
SOPC30O-6	Solitine Cat6 UTP Patch Cable, 3m, Orange	3 Meter	Orange
SOPC30R-6	Solitine Cat6 UTP Patch Cable, 3m, Red	3 Meter	Red
SOPC50Y-6	Solitine Cat6 UTP Patch Cable, 5m, Yellow	5 Meter	Yellow
SOPC50B-6	Solitine Cat6 UTP Patch Cable, 5m, Blue	5 Meter	Blue
SOPC50O-6	Solitine Cat6 UTP Patch Cable, 5m, Orange	5 Meter	Orange