



PRODUCT DATASHEET

Copper Cabling & Accessories

Cat6 UTP Patch Cords

25 cm

30 cm

50 cm

5 m

100% Copper

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25cm



30cm



50cm



5m

SNAGLESS MOULDED BOOTS · 7-COLOUR MIX

ISHCO Cat6 UTP patch cords are made with **100% pure bare copper** conductors and 50 µ-inch gold-plated RJ45 plugs for reliable Gigabit Ethernet links in racks, patch panels and desktops.

Short lengths (25 cm, 30 cm, 50 cm) keep patch panel to switch links tidy; the 5 m cord is ideal for desk and device connections. Available in a mix of 7 colours for easy port and VLAN identification.

Cat6

UTP

RJ45

1 Gbps

250 MHz

7 Colours

Features & Benefits

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- ✓ 100% full bare copper conductors – no CCA (copper-clad aluminium)
- ✓ Supports 10/100/1000BASE-T Gigabit Ethernet and PoE / PoE+ / PoE++
- ✓ Snagless moulded strain-relief boots protect the latch
- ✓ Mixed 7-colour packs for colour-coded port identification
- ✓ Backward compatible with Cat5e equipment
- ✓ Performance to Category 6 per TIA/EIA-568.2-D and ISO/IEC 11801 Class E
- ✓ 50 µ-inch gold-plated 8P8C RJ45 plugs for corrosion resistance
- ✓ Stranded 24 AWG conductors for flexibility in tight patching areas
- ✓ 100% factory tested for continuity, wire-map and performance
- ✓ RoHS compliant PVC jacket



WEBSITE

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LOCATION

Erbil, Sultan Muthafar

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Technical Specifications

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Parameter	Specification
Category / Class	Cat6 · ISO/IEC 11801 Class E
Bandwidth	250 MHz
Data rate	Up to 1 Gbps (10/100/1000BASE-T)
Conductor	24 AWG stranded, 100% bare copper
Pairs	4 pairs (8 conductors), unshielded twisted pair
Connector	RJ45 8P8C, 50 µ-inch gold plating, T568B wiring
Jacket	PVC, $\varnothing \approx 5.8$ mm
Boot	Snagless moulded strain relief
Impedance	$100 \Omega \pm 15 \Omega$
Insertion loss @ 250 MHz	≤ 32.8 dB / 100 m (channel)
NEXT @ 250 MHz	≥ 33.1 dB (channel)
PoE support	IEEE 802.3af / at / bt
Operating temperature	-20 °C to +60 °C
Colours	Mixed 7 colours (25/30/50 cm) · Blue (5 m)

Ordering Information

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Part No.	Description	Length	Colour
ISH-C6U-025-MIX	Cat6 UTP patch cord, 100% copper	25 cm	Mixed 7 colours
ISH-C6U-030-MIX	Cat6 UTP patch cord, 100% copper	30 cm	Mixed 7 colours
ISH-C6U-050-MIX	Cat6 UTP patch cord, 100% copper	50 cm	Mixed 7 colours
ISH-C6U-500-BL	Cat6 UTP patch cord, 100% copper	5 m	Blue

● APPLICATIONS

- Patch panel to switch links in network cabinets
- Desktop, IP phone and IP camera connections
- Home and office Gigabit networks
- PoE devices such as access points and cameras

● STANDARDS & COMPLIANCE

- TIA/EIA-568.2-D Category 6
- ISO/IEC 11801 Class E
- IEC 60603-7 (RJ45 interface)
- IEEE 802.3ab (1000BASE-T)
- RoHS

● PACKAGE CONTENTS

- Individually bagged patch cords
- Colour-mixed packs (7 colours) for short lengths
- Custom lengths and colours available on request

Note: Specifications are typical values and may be improved without notice. For custom lengths, colours, quantities or OEM requirements please contact the ISHCO team using the details below.



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