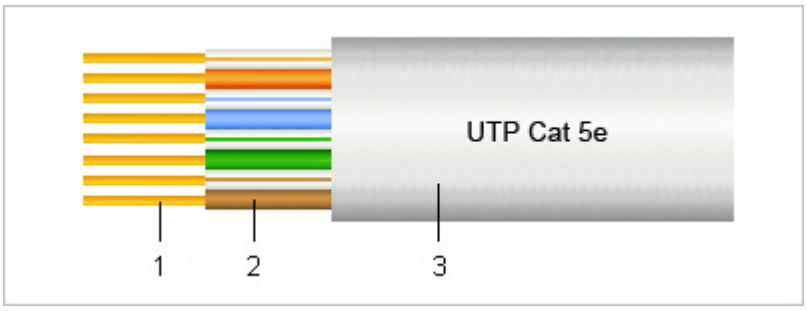
DATASHEET

UTP Data cable for indoor (Cat 5e)



Structure

>	1	Solid copper conductor
>	2	Halogen-free polyolefin *(PE)* core insulation Cores twisted to a pair *(Twisting direction Z axis)*
>	3	PVC outer sheath, white colour RAL 9010 with imprint: *"UTP Cat 5e Cable, Lot number, Meter number"*

Dimensions

Conductor structure nominal	Outer Ø nominal *[mm]*	Conductor resistance at 20 °C *[Ω/100m]*	CU weight nominal *[kg/km]*	Weight approx. *[kg/km]*
4x2xAWG 24	5,0	<9,38	14,1	36

Application

The UTP (unshielded twisted pair) Cat 5e (category 5 enhanced) cable is used in network LAN connections, connecting computers with target devices such as printers, modems, etc.
Cat 5e is the most widely used cabling specification world-wide.

This cable is preferably used for indoor installation, but also in the open air for fixed installation on outer walls of buildings - provided it is protected against direct exposure to the sun.

Postal address: H-2081 Piliscsaba, P.O. box 30. https://www.sat-elit2000.hu Email: cable@sat-elit2000.hu
Phone: (+36) 26/373-795 Fax: (+36) 26/374-278

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Properties

> Solid bare copper conductors, polyethylene *(PE)* core insulation, PVC outer sheathed cable.

> Cable is in accordance with standards:
EN 50575:2014 reaction to fire;
EN 13501-6 fire classification;
TIA / EIA-568-B.2 Telecommunications Cabling Standard.

> Outer sheath colour is white or could be any colour.

> The two individual wires in a single pair are twisted and other pairs of such wires are twisted together. It is done to minimize cross-talk and electromagnetic interference.

> The special characteristic of this cable is one wire in a twisted pair is solid-colored for easy identification and the white second one is striped lengthwise with the color of its mate.

> The UTP cable is REACH compliant as well as meeting the requirements of other legislation such as the RoHS Directive. The materials used in this cable are cadmium-free and contain no silicone and do not represent health hazards and minimize the environmental impact.

> CE Product meets all the legal requirements for CE marking and can be sold throughout the European Economic Area *(EEA).*

Technical data

Peak working voltage:	125 V
Test voltage:	800 V eff. *(Core/core, AC 50 Hz)*
Temperature range:	Fixed installation -30 °C to +70 °C
Insulation resistance:	Min. 10,000 MΩ x km
Cat 5e max. frequency bandwidth:	100 Mhz
Characteristic impedance:	100 Ω *(± 5 Ω at 100 MHz)*
Mutual capacitance:	At 1 kHz max. 5,6 nF / 100m
Minimum bending radius:	Fixed installation 5 x cable Ø

Packaging

In coil or drum.

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