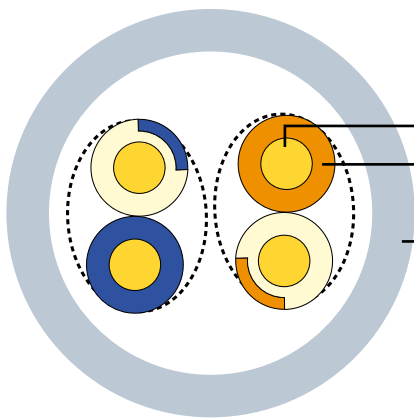
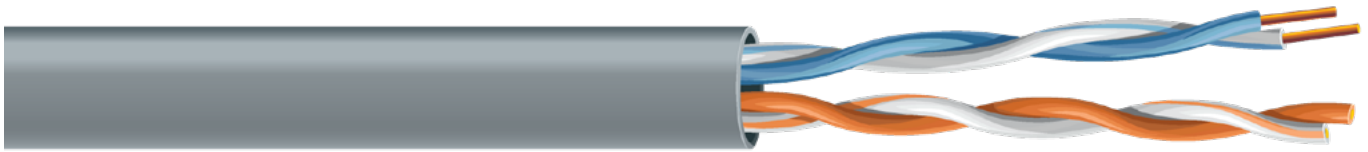


# Cat.5 U/UTP PVC, LSZH, PE 2x2x24 AWG

## Application

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 100 MHz, 100 Mbit/s Ethernet.



## Cable structure

- **Conductor:** Copper wire 24 AWG
- **Insulation:** HDPE in compliance with TIA 568 insulation colour coding
- **Sheath:**
  - LSZH/LS0H RAL 2003 Orange
  - PVC RAL 7001 Grey
  - PE RAL 9011 Black

## Standards

ISO/IEC 11801-1  
IEC 61156-2

## Specifications

Temperature range:	fixed.....	-20°C...+60°C
	flexing.....	0°C...+50°C
Bending radius:	fixed.....	min. 4 x D
	flexing.....	min. 8 x D
Tensile strength.....		max. 85 N
Crushing strength.....		min. 1000 N/10 cm
Impact strength.....		min. 10 impacts
Conductor resistance.....		max. 95 Ω/km
Resistance imbalance.....		max. 2%
Insulation resistance.....		min. 5000 MΩ x km
Capacitance.....		max. 56 pF/m
Capacity imbalance.....		max. 3400 pF/km
Velocity of propagation.....		67-69%
Propagation delay.....		max. 567 ns/100 m
Signal delay.....		max. 45 ns/100 m
Test voltage.....		1000 V
Operating voltage.....		max. 72 V

Frequency [MHz]	Attenuation [dB/100 m]	NEXT [dB]	PS-NEXT [dB]	ACR [dB/100 m]	PS-ACR [dB/100 m]	ACR-F [dB/100 m]	PS-ACR-F [dB/100 m]	RL [dB]
	max.	min.	min.	min.	min.	min.	min.	min.
1	2,0	62,0	-	-	-	57,4	-	23,0
4	4,1	53,0	-	-	-	45,4	-	23,0
10	6,5	47,0	-	-	-	37,4	-	23,0
16	8,3	43,9	-	-	-	33,3	-	23,0
20	9,3	42,5	-	-	-	31,4	-	23,0
31.25	11,7	39,6	-	-	-	27,5	-	21,1
62.50	17,0	35,1	-	-	-	21,5	-	18,1
100	22,0	32,0	-	-	-	17,4	-	16,0

Cable structure	Diameter, mm nom	Cable weigh, kg/km, approx.	Sheath color	Packaging, m
Cat.5e U/UTP 4x2x24 AWG	4,9	22	Grey	305/500/1000
Cat.5e U/UTP 4x2x24 AWG LSZH	4,9	23	Orange	305/500/1000
Cat.5e U/UTP 4x2x24 AWG PE	4,9	18	Black	305/500/1000