

# U/UTP COPPER CABLE

Flexible  
AWG 23  
LSZH Sheath



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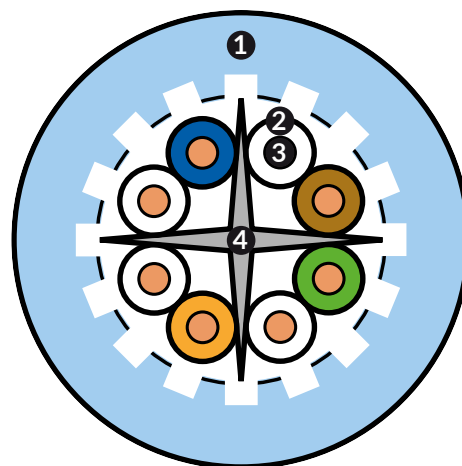
Cable consisting of eight conductors stranded in four pairs. It is unshielded and it is available in categories: 6 and 6A AWG 23. The outer sheath is LSZH in white color RAL 9010. Available in 305-meter boxes or in 500-meter reels.



## TECHNICAL SPECIFICATIONS

	CAT. 6	CAT. 6A
CONDUCTOR	Copper Ø 0,54 mm	Copper Ø 0,6 mm
INSULATION	Polyethylene Ø 0,95 mm	Polyolefin Ø 1,1 mm
NUMBER OF PAIRS	4	
EXTERNAL SHEATH	LSZH (RAL 9010 - White)	
TOTAL DIAMETER	Ø 5,3 mm	Ø 8,8 mm
WEIGHT	36 kg / km	80 kg / km
OPERATING TEMPERATURE	-20° C ÷ + 60° C	
INSTALLATION TEMPERATURE	0° C ÷ + 50° C	
LOOP RESISTANCE	≤ 176Ω/km	≤ 165Ω/km
BALANCE RESISTANCE	≤ 2%	
INSULATION RESISTANCE	≤ 5000 MΩkm	
IMPEDANCE CHARACTERISTIC	100 Ω	
NOMINAL PROPAGATION SPEED	~ 67%	~ 65%
PROPAGATION DELAY	≤ 535 ns / 100 m	
PROPAGATION DISTORTION	20 ns / 100 m	≤ 45 ns / 100 m

## PRODUCT DETAILS



- 1 - Outer sheath of the cable - LSZH
- 2 - Outer sheath of the conductor
- 3 - Conductor
- 4 - Pair separation element

Applicable standards ISO / IEC 11801; TIA / EIA – 568 B.2 - 10; EN 50173-1  
EN 50288-10-1 IEC 60332-1; IEC 60754 -2; IEC 61034