



Copper Cables

Cable U/ UTP, LSZH, Cat6

Overview

Cable Cat6 U/UTP 4 PR AWG 23

TECNICAL DATA

Conductor

Material: Copper (Solid bare copper)
Diameter: 0.550mm \pm 0.005mm

Printing

ERSYS UTP CAT6 LSZH 4PR AWG23 ISO/IEC 11801 EN50173
VERIFIED 100 OHM ###MTS.
NVP: 67%

Insulation

Material: HDPE
Nominal Diameter: 1.04mm \pm 0.05mm

Cable

Group of 4 pairs
Global twist: \leq 12mm

Pair Color Codes

Blue/Blue - White
Orange/Orange - White
Green/Green- White
Brown/Brown - White

Global Insulation

Material: LSZH
Diameter: 6.4 \pm 0.3mm
Nominal Thickness: 0.52mm
Color: Violet (RAL4005)

Crosshead Separator

Material: PE
Dimension: 4.6mmx4.6mm

Twist Pitch

\leq 38mm

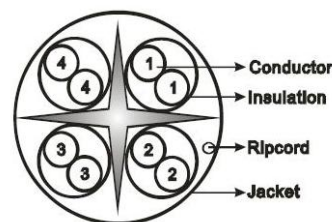


Figure: U/UTP, LSZH, Cat 6 interior.

Table: Cable specification – Copper type Cable U/UTP, LSZH, Cat 6.

Item	Parameter
Conductor resistance @ 20°C	$\leq 7.9\Omega/100m$
Insulation resistance	$\geq 5000M\Omega/km$ (DC500V - 1min)
Voltage (Endurance)	DC 1500V/min
Mutual capacitance	$\leq 5.6nF/100m$
Resistance unbalance (core-core)	$\leq 5\%$