

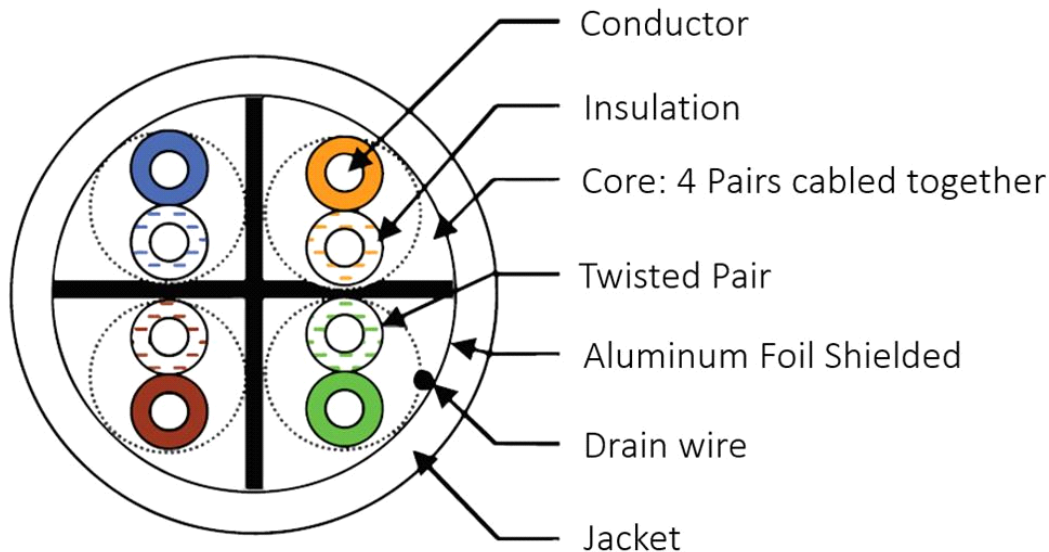


640 Series Copper Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 500 m reel, white

### Product Classification

<b>Portfolio</b>	NETCONNECT®
<b>Product Series</b>	640 Series
<b>Product Type</b>	Twisted pair cable
<b>Regional Availability</b>	Asia   Australia/New Zealand   Latin America

### Cross Section Drawing



### Construction Materials

<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Shield (Tape) Material</b>	Aluminum/Polyester

### Dimensions

<b>Cable Length</b>	500 m   1640 ft
<b>Cable Weight</b>	60.10 kg/km
<b>Diameter Over Jacket, nominal</b>	7.200 mm   0.283 in

## Electrical Specifications

<b>ANSI/TIA Category</b>	6A
<b>Characteristic Impedance</b>	100 ohm
<b>Characteristic Impedance Tolerance</b>	±15 ohm
<b>dc Resistance, maximum</b>	66.58 ohms/km
<b>Delay Skew, maximum</b>	45 ns
<b>Mutual Capacitance</b>	5.6 nF/100 m @ 500 MHz
<b>Nominal Velocity of Propagation (NVP)</b>	64 %
<b>Operating Voltage, maximum</b>	300 Vac
<b>Transmission Standards</b>	ANSI/TIA-568-C.2   CENELEC EN 50288-6-1   ISO/IEC 11801 Class EA

## Environmental Specifications

<b>Smoke Test Method</b>	IEC 61034-2
<b>Acid Gas Test Method</b>	IEC 60754-2
<b>Flame Test Method</b>	IEC 60332-1
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Safety Standard</b>	ETL   UL

## General Specifications

<b>Cable Type</b>	F/UTP (shielded)
<b>Packaging Type</b>	Reel
<b>Pairs, quantity</b>	4
<b>Cable Component Type</b>	Horizontal
<b>Jacket Color</b>	White
<b>Product Number</b>	640Z
<b>Conductor Gauge, singles</b>	23 AWG
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8

## Mechanical Specifications

**Minimum Bend Radius, multiple bends** 28.80 mm | 1.13 in

## Regulatory Compliance/Certifications

**Agency**  
RoHS 2011/65/EU

**Classification**  
Compliant

