



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

## Product Classification

<b>Regional Availability</b>	EMEA
<b>Portfolio</b>	LITANG®
<b>Product Type</b>	Twisted pair cable
<b>Product Series</b>	6 Series

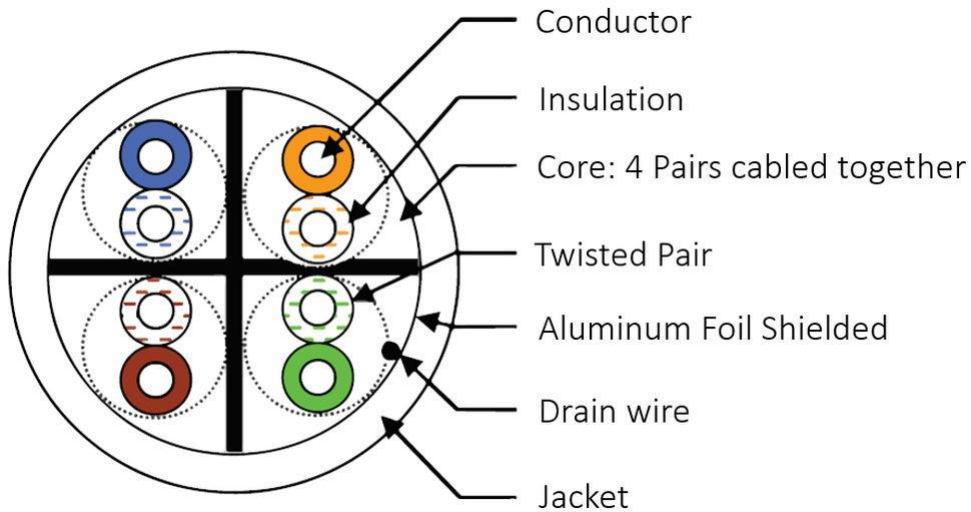
## General Specifications

<b>Product Number</b>	6A20203
<b>ANSI/TIA Category</b>	6A
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	F/UTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	Gray
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	ANSI/TIA-568-C.2   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E

## Dimensions

<b>Cable Length</b>	1640 ft   499.872 m
<b>Diameter Over Jacket, nominal</b>	0.283 in   7.188 mm
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>Characteristic Impedance</b>	100 ohm
<b>Characteristic Impedance Tolerance</b>	±15 ohm
<b>dc Resistance, maximum</b>	6.66 ohms/100 m   2.03 ohms/100 ft
<b>Delay Skew, maximum</b>	45 ns
<b>Mutual Capacitance at Frequency</b>	5.6 nF/100 m @ 500 MHz
<b>Nominal Velocity of Propagation (NVP)</b>	64 %
<b>Operating Voltage, maximum</b>	80 V
<b>Remote Powering</b>	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

## Material Specifications

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

## Mechanical Specifications

<b>Minimum Bend Radius, multiple Bends</b>	28.8 mm   1.134 in
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## Environmental Specifications

<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Acid Gas Test Method</b>	IEC60754-2
<b>Flame Test Method</b>	IEC60332-1
<b>Safety Standard</b>	ETL   UL
<b>Smoke Test Method</b>	IEC 61034-2

## Packaging and Weights

<b>Cable weight</b>	40.39 lb/kft   5.584 kg/km
<b>Packaging Type</b>	Reel