

# 6A20201

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ETL Verified Category 6A U/UTP LSZH Cable, gray jacket, 4 pair count, 1000 ft (305 m) length, reel

## Product Classification

Regional Availability	Australia/New Zealand
Portfolio	LITANG®
Product Type	Twisted pair cable

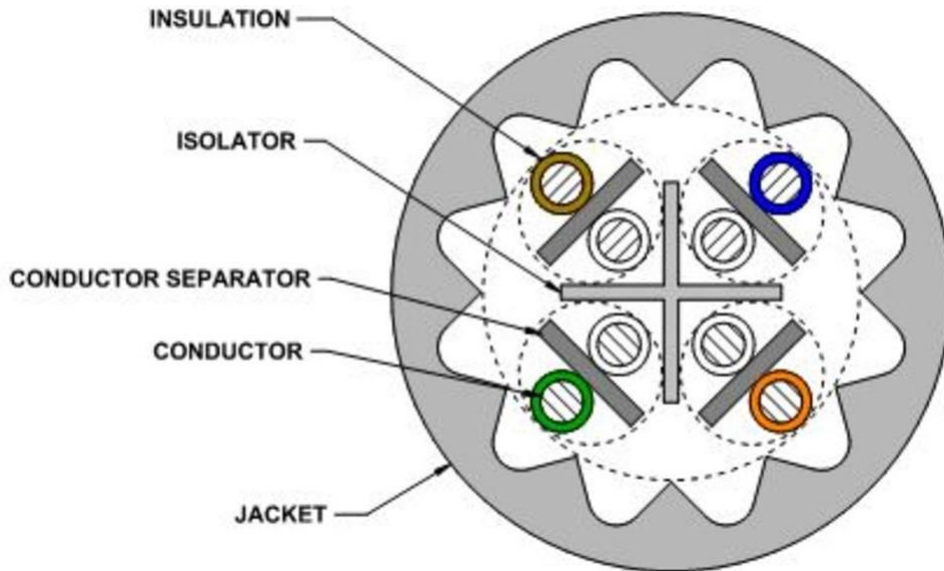
## General Specifications

Product Number	6AZ0201
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Gray
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568-C.2   ISO/IEC 11801 Class EA

## Dimensions

Cable Length	1000 ft   304.8 m
Diameter Over Jacket, nominal	0.285 in   7.239 mm
Jacket Thickness	0.051 in   1.295 mm
Conductor Gauge, singles	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>dc Resistance Unbalance, maximum</b>	4 %
<b>dc Resistance, maximum</b>	7.61 ohms/100 m   2.32 ohms/100 ft
<b>Mutual Capacitance at Frequency</b>	6.0 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	66 %
<b>Operating Frequency, maximum</b>	550 MHz
<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
<b>Safety Voltage Rating</b>	300 V

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## Enterprise Copper Cable Performance

Frequency (MHz)	IL, typical	NEXT, typical	ACR, typical	PSNEXT, typical	PSACR, typical	ACRF, typical	PSACRF, typical	RL, typical
1.0	1.8	90.6	88.8	88.3	86.5	82.1	80.3	32.2
4.0	3.6	82.4	78.8	80.2	76.6	70.1	68.4	33.9
8.0	5.1	77.6	72.5	75.8	70.7	64.1	62.3	36.7
10.0	5.7	76.4	70.7	74.4	68.7	62.2	60.4	37.7
16.0	7.3	73.1	65.9	71.3	64	58.2	56.4	38.7
20.0	8.1	71.5	63.4	69.7	61.6	56.4	54.5	38.7
25.0	9.1	70.2	61.1	68.3	59.2	54.5	52.6	35.5
31.25	10.2	68.6	58.4	66.7	56.5	52.7	50.7	37.2
62.5	14.6	64.2	49.6	62.3	47.7	46.6	44.7	34.6
100.0	18.6	60.8	42.1	59	40.3	42.5	40.5	30.3
155.0	23.4	58.4	35	56.4	33	38.9	37	30.8
200.0	26.8	56	29.2	54.2	27.4	36.6	34.6	30
250.0	30.1	54.3	24.2	52.5	22.3	34.6	32.6	30.5
300.0	33.1	53.1	19.9	51.2	18.1	33.1	31.2	31.1
350.0	36	51.8	15.8	49.9	13.9	31.9	29.9	31.7
400.0	38.8	50.8	12	48.8	10	30.6	28.6	31.5
500.0	43.6	47.9	4.3	45.8	2.2	28.7	26.7	32
550.0	43.8	48	4.1	45.9	2	28.6	26.7	31.9
650.0	50.2	43.5	-6.7	41.5	-8.8	25.7	23.5	25.3

## Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

## Mechanical Specifications

Pulling Tension, maximum	25 lb   11.34 kg
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## Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Acid Gas Test Method	IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3-22
Smoke Test Method	IEC 61034-2

## Packaging and Weights

Cable weight	36.9 lb/kft   5.102 kg/km
Packaging Type	Reel

## Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

