

# 6A20011

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

## Product Classification

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

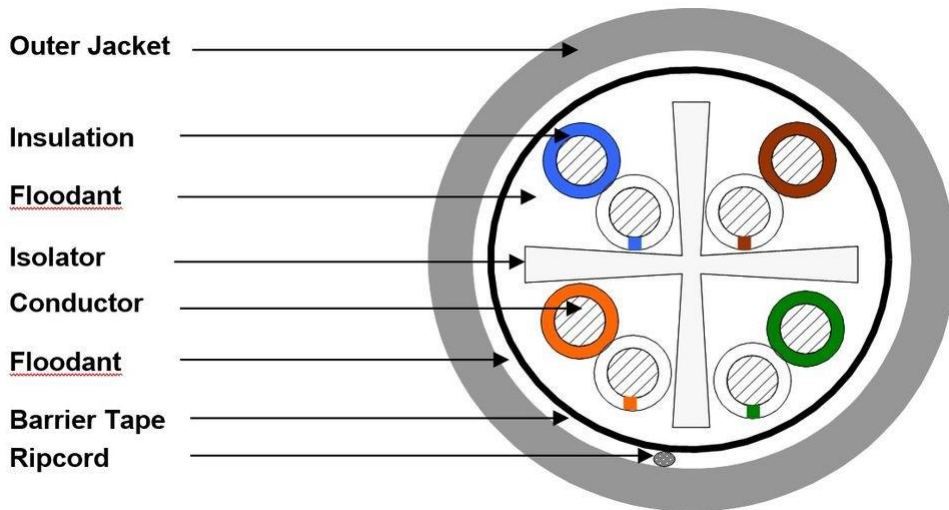
## General Specifications

Product Number	6A20011
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   CENELEC EN 50288-6-1   ISO/IEC 11801 Class E

## Dimensions

Cable Length	1000 ft   304.8 m
Diameter Over Jacket, nominal	0.323 in   8.204 mm
Jacket Thickness	0.028 in   0.711 mm
Conductor Gauge, singles	23 AWG

## Cross Section Drawing



## Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m   2.859 ohms/100 ft
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac   2500 Vdc
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1kHz
Nominal Velocity of Propagation (NVP)	65 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Remote Powering	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,

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CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	PE
<b>Separator Material</b>	Polyolefin

## Mechanical Specifications

<b>Pulling Tension, maximum</b>	25 lb   11.34 kg
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## Environmental Specifications

<b>Installation temperature</b>	-25 °C to +75 °C (-13 °F to +167 °F)
<b>Operating Temperature</b>	-25 °C to +75 °C (-13 °F to +167 °F)
<b>Storage Temperature</b>	-25 °C to +75 °C (-13 °F to +167 °F)
<b>Environmental Note</b>	UV resistant for outdoor and/or direct burial installations
<b>Environmental Space</b>	Buried

## Packaging and Weights

<b>Cable weight</b>	37 lb/kft   5.115 kg/km
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.litangcables.com/ProductCompliance">www.litangcables.com/ProductCompliance</a>
ROHS	Compliant

