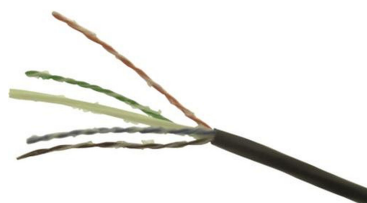


# 760178129 | 1592A BLK C6A 4/23 F/UTP R1000



1592A Category 6A F/UTP Cable, outdoor, black jacket, aluminum tape shield, inner jacket, 4 pair count, 1000 ft (305 m) length, reel

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Twisted pair cable

## General Specifications

<b>Product Number</b>	1592A
<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>	Black
<b>Note</b>	Delay has been derated by 6% due to the water proofing agents   The maximum permanent link length is reduced from 295 feet to 277 feet as a result of the delay derating
<b>Pairs, quantity</b>	4
<b>Separator Type</b>	Isolator
<b>Transmission Standards</b>	ANSI/TIA-568-C.2   ISO/IEC 11801 Class EA

## Dimensions

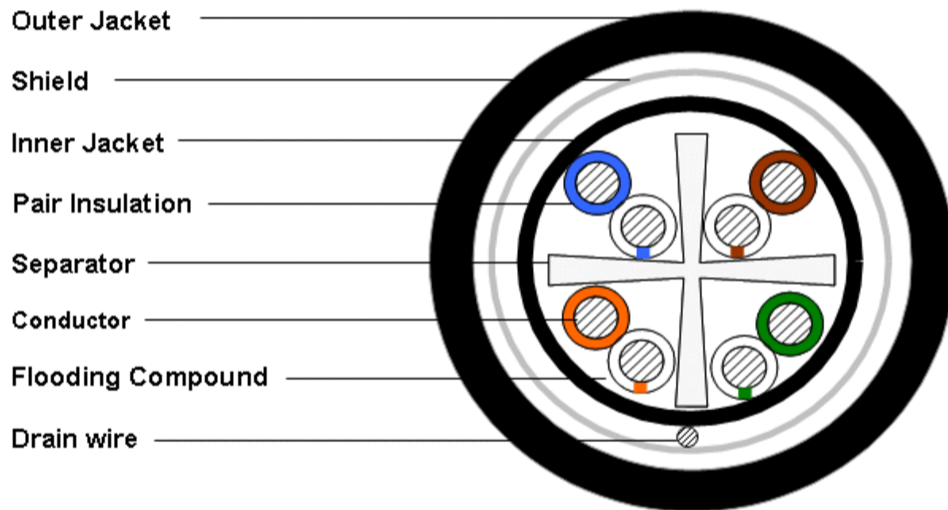
<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Inner Jacket</b>	6.502 mm   0.256 in
<b>Diameter Over Jacket, nominal</b>	8.382 mm   0.33 in
<b>Inner Jacket Thickness</b>	0.457 mm   0.018 in
<b>Jacket Thickness</b>	0.686 mm   0.027 in

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Conductor Gauge, singles

23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>dc Resistance Unbalance, maximum</b>	5 %
<b>dc Resistance, maximum</b>	9.38 ohms/100 m   2.859 ohms/100 ft
<b>Dielectric Strength, minimum</b>	1500 Vac   2500 Vdc
<b>Mutual Capacitance at Frequency</b>	6.0 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	62 %
<b>Operating Frequency, maximum</b>	500 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

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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

**Safety Voltage Rating** 300 V

## Material Specifications

**Conductor Material** Bare copper  
**Drain Wire Material** Tinned copper  
**Insulation Material** Polyolefin  
**Jacket Material** PE  
**Separator Material** Polyolefin  
**Shield (Tape) Material** Aluminum/Poly

## Mechanical Specifications

**Pulling Tension, maximum** 11.34 kg | 25 lb

## Environmental Specifications

**Installation temperature** -30 °C to +70 °C (-22 °F to +158 °F)  
**Operating Temperature** -40 °C to +70 °C (-40 °F to +158 °F)  
**Environmental Note** UV resistant for outdoor and/or direct burial installations  
**Environmental Space** Buried

## Packaging and Weights

**Cable weight** 64.735 kg/km | 43.5 lb/kft  
**Packaging Type** Reel

## Regulatory Compliance/Certifications

Agency	Classification
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.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

