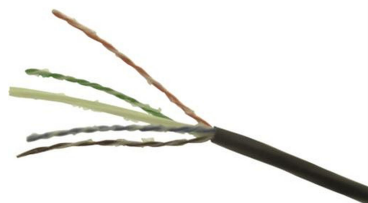


760178129 | 1592A BLK C6A 4/23 F/UTP R1000



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

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

General Specifications

Product Number	1592A
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Black
Note	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
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801 Class EA

Dimensions

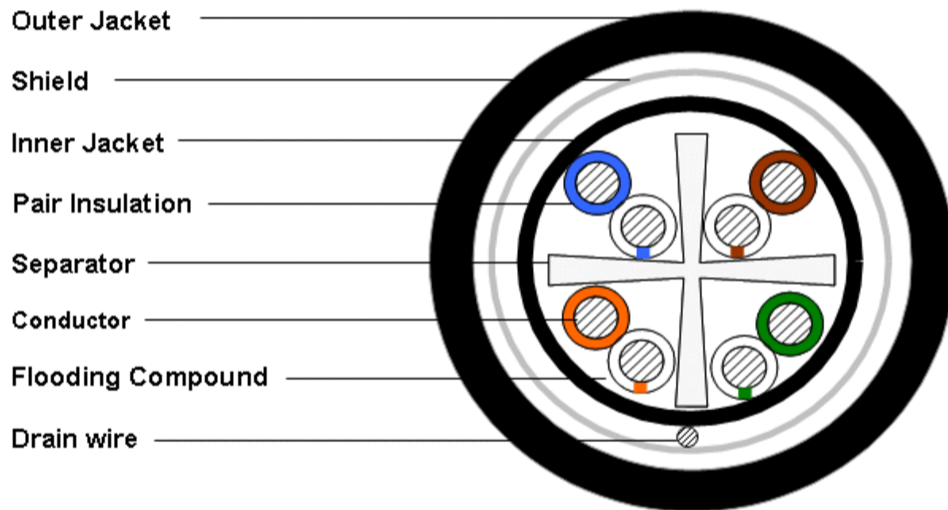
Cable Length	304.8 m 1000 ft
Diameter Over Inner Jacket	6.502 mm 0.256 in
Diameter Over Jacket, nominal	8.382 mm 0.33 in
Inner Jacket Thickness	0.457 mm 0.018 in
Jacket Thickness	0.686 mm 0.027 in

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Conductor Gauge, singles

23 AWG

Cross Section Drawing



Electrical Specifications

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

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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 www.commscope.com/ProductCompliance
ROHS	Compliant

