

# 460158784

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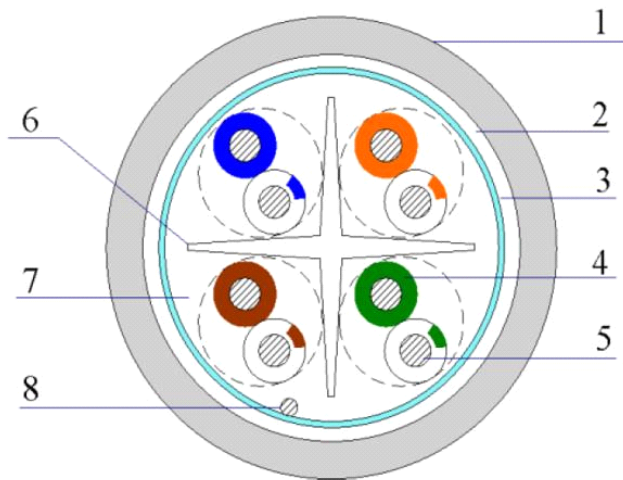


Category 6A F/UTP twisted pair cable, outdoor direct burial, gel-filled, black jacket, 4 pair count, 1000 ft (305 m) length reel

## Product Classification

<b>Portfolio</b>	NETCONNECT®
<b>Product Type</b>	Twisted pair cable
<b>Regional Availability</b>	Australia/New Zealand

## Cross Section Drawing



- 1 Outer jacket
- 2 Water blocking gel
- 3 Aluminum foil
- 4 Insulation
- 5 Conductor
- 6 Filler
- 7 Water blocking gel
- 8 Drain wire

## Construction Materials

<b>Jacket Material</b>	LLDPE   UV resistant
<b>Conductor Material</b>	Bare copper
<b>Construction Type</b>	Non-armored
<b>Drain Wire Material</b>	Tinned copper
<b>Insulation Material</b>	Polyethylene
<b>Shield (Tape) Material</b>	Aluminum, foil

## Dimensions

<b>Cable Length</b>	305 m   1000 ft
<b>Cable Weight</b>	75.00 kg/km
<b>Diameter Over Jacket Tolerance</b>	±0.3 mm
<b>Diameter Over Jacket, maximum</b>	7.900 mm   0.311 in

## Electrical Specifications

<b>ANSI/TIA Category</b>	6A
<b>dc Resistance Unbalance, maximum</b>	2 %
<b>dc Resistance, maximum</b>	9.38 ohms/100 m
<b>Delay Skew, maximum</b>	45 ns
<b>Mutual Capacitance</b>	5.6 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	66 %

<b>Operating Voltage, maximum</b>	300 Vdc
<b>Transmission Standards</b>	IEC 61156-5   ISO/IEC 11801 Class EA

## Environmental Specifications

<b>Environmental Space</b>	Buried   Outdoor
<b>Flame Test Method</b>	UL 444
<b>Operating Temperature</b>	-20 °C to +75 °C (-4 °F to +167 °F)

## General Specifications

<b>Cable Type</b>	F/UTP (shielded)
<b>Packaging Type</b>	Reel
<b>Pairs, quantity</b>	4
<b>Cable Component Type</b>	Horizontal
<b>Jacket Color</b>	Black
<b>Conductor Gauge, singles</b>	23 AWG
<b>Conductors, quantity</b>	8
<b>Drain Wire Gauge</b>	26 AWG

## Mechanical Specifications

<b>Minimum Bend Radius Note</b>	8 times the outer cable diameter
<b>Pulling Tension, maximum</b>	11 kg   25 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

