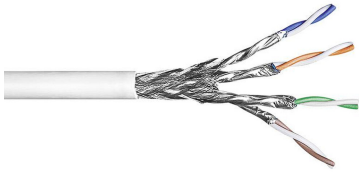


# 760159988 | 3297B WH 4/23 R1640

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3297B Category 7 S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Twisted pair cable
<b>Ordering Note</b>	Available in Europe, Middle East, and Africa

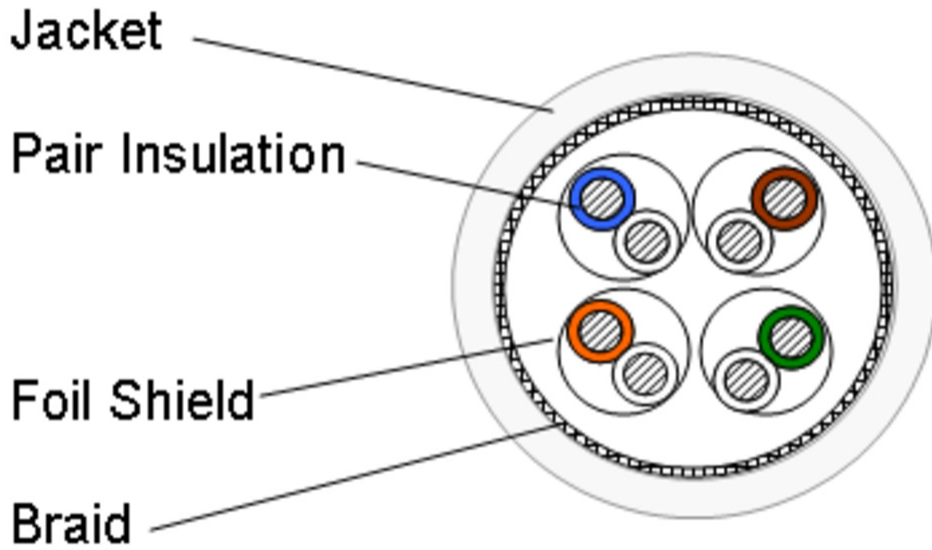
## General Specifications

<b>Product Number</b>	3297B
<b>ANSI/TIA Category</b>	7
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	S/FTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	White
<b>Note</b>	All electrical transmission tests include swept frequency measurements
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	CENELEC EN 50288-4-1   IEC 61156-5 Cat 7   ISO/IEC 11801 Class F

## Dimensions

<b>Cable Length</b>	500 m   1,640.42 ft
<b>Cable Length Tolerance</b>	±5%
<b>Diameter Over Insulated Conductor</b>	1.501 mm   0.059 in
<b>Diameter Over Jacket, nominal</b>	7.391 mm   0.291 in
<b>Jacket Thickness</b>	0.635 mm   0.025 in
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>Coupling Attenuation</b>	Type I
<b>dc Resistance Unbalance, maximum</b>	2 %
<b>dc Resistance, maximum</b>	7.61 ohms/100 m   2.32 ohms/100 ft
<b>Delay Skew, maximum</b>	25 ns
<b>Mutual Capacitance at Frequency</b>	4.2 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	80 %
<b>Operating Frequency, maximum</b>	600 MHz
<b>Operating Voltage, maximum</b>	80 V
<b>Segregation Class</b>	d
<b>Transfer Impedance</b>	Grade 1

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Separator Material</b>	Polyolefin
<b>Shield (Braid) Material</b>	Tinned copper
<b>Shield (Tape) Material</b>	Polyester/Aluminum shield

## Mechanical Specifications

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

## Environmental Specifications

**Installation temperature** 0 °C to +50 °C (+32 °F to +122 °F)

**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

**Storage Temperature** 0 °C to +50 °C (+32 °F to +122 °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 | IEC 60332-3-24

**Smoke Test Method** IEC 61034-2

## Packaging and Weights

**Cable weight** 56.997 kg/km | 38.3 lb/kft

**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
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

