

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

## Product Classification

Regional Availability	EMEA
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable

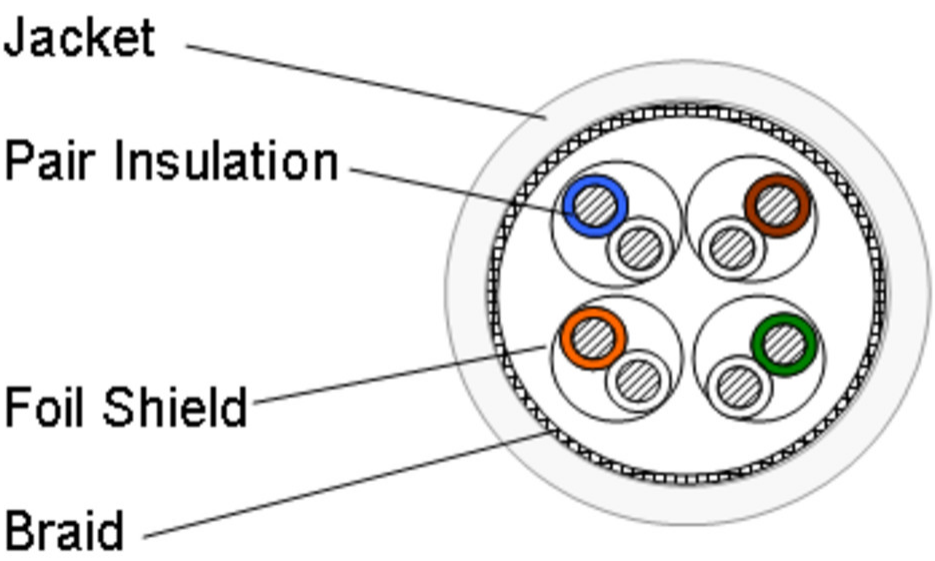
## General Specifications

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

## Dimensions

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

## Cross Section Drawing



Electrical Specifications

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

Material Specifications

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

### Mechanical Specifications

**Pulling Tension, maximum**

11.34 kg | 25 lb

### Environmental Specifications

<b>Installation temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Acid Gas Test Method</b>	EN 50267-2-3   IEC 60754-2
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	B2ca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d1
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Flame Test Method</b>	EN 50399   IEC 60332-1-2
<b>Smoke Test Method</b>	IEC 61034-2

### Packaging and Weights

<b>Cable weight</b>	56.997 kg/km   38.3 lb/kft
<b>Packaging Type</b>	Reel

### Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
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
UK-ROHS	Compliant

