

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

Product Classification

Regional Availability	EMEA
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable

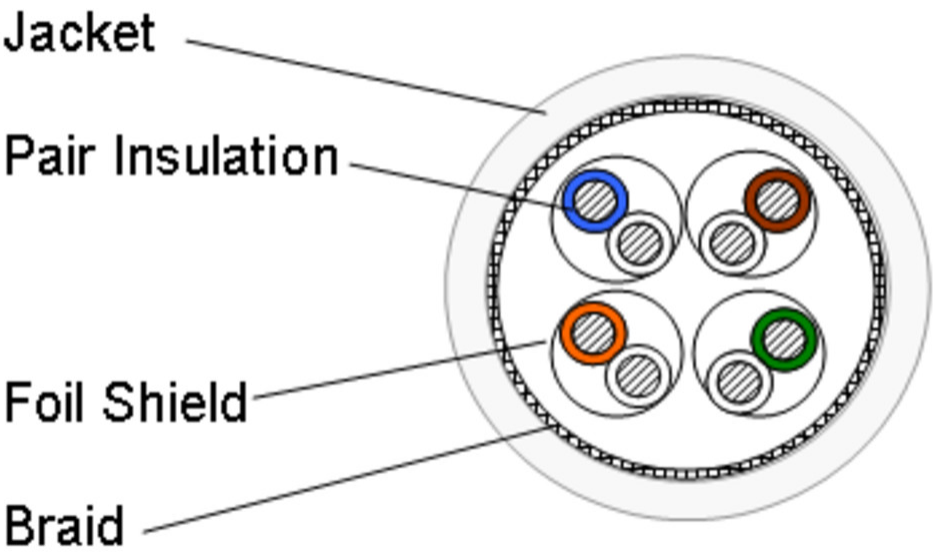
General Specifications

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	Blue
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

**Installation temperature** 0 °C to +50 °C (+32 °F to +122 °F)  
**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)  
**Acid Gas Test Method** EN 50267-2-3  
**EN50575 CPR Cable EuroClass Fire Performance** B2ca  
**EN50575 CPR Cable EuroClass Smoke Rating** s1  
**EN50575 CPR Cable EuroClass Droplets Rating** d1  
**EN50575 CPR Cable EuroClass Acidity Rating** a1  
**Environmental Space** Low Smoke Zero Halogen (LSZH)  
**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
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

