

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

Product Classification

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

General Specifications

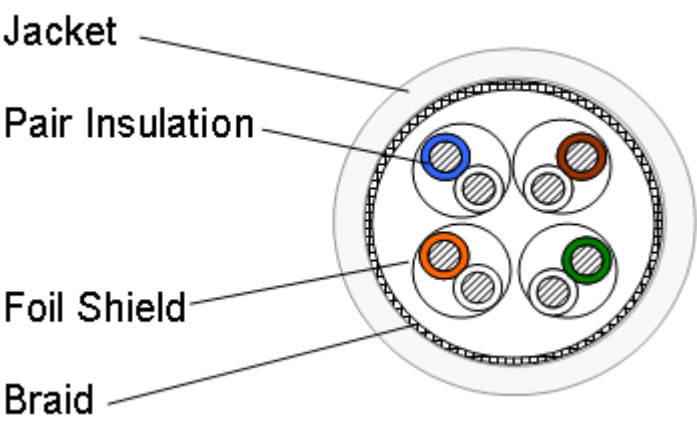
Product Number	3297B
ANSI/TIA Category	7
Cable Component Type	Horizontal
Cable Type	S/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Blue
Note	All electrical transmission tests include swept frequency measurements Cable will support performance requirements for Cat6A / Cat 7 Channels of a given class will support all applications of a lower class
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 1640.42 ft
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Cable Length Tolerance	±5%
Diameter Over Insulated Conductor	1.501 mm 0.0591 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
Delay Skew, maximum	25 ns
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
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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
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