# 760184598 | 3297B YL 4/23 R1640



3297B Category 7 S/FTP Cable, low smoke zero halogen, yellow 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** Yellow

**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%

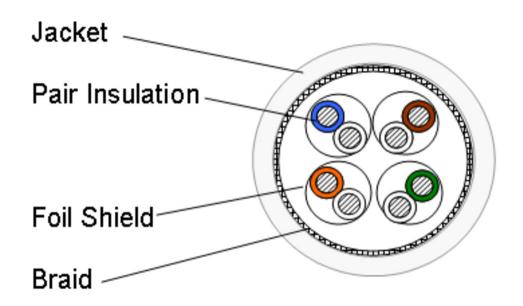
Diameter Over Insulated Conductor1.501 mm | 0.059 inDiameter Over Jacket, nominal7.391 mm | 0.291 inJacket Thickness0.635 mm | 0.025 in

**Conductor Gauge, singles** 23 AWG

Cross Section Drawing



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# **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 MaterialBare copperInsulation MaterialPolyolefin

Jacket Material Low Smoke Zero Halogen (LSZH)

**Separator Material** Polyolefin

Shield (Braid) Material Tinned copper

Shield (Tape) Material Polyester/Aluminum shield



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# Mechanical Specifications

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

#### **Environmental Specifications**

**EN50575 CPR Cable EuroClass Droplets Rating** 

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

**Operating Temperature**  $-20 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  ( $-4 \,^{\circ}\text{F}$  to  $+140 \,^{\circ}\text{F}$ )

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 Acidity Rating a1

**Environmental Space** Low Smoke Zero Halogen (LSZH)

Flame Test Method IEC 60332-3-22 | IEC 60332-3-24

d2

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 www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



