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

NoteAll 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%

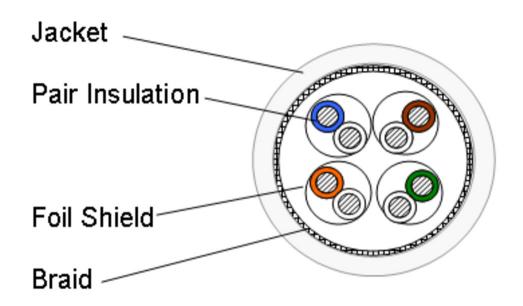
Diameter Over Insulated Conductor1.501 mm | 0.059 inDiameter Over Jacket, nominal7.391 mm | 0.291 inJacket Thickness0.635 mm | 0.025 in

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



