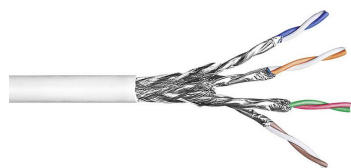


760237946 | 3297B-B WH 4/23 R1640



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 |

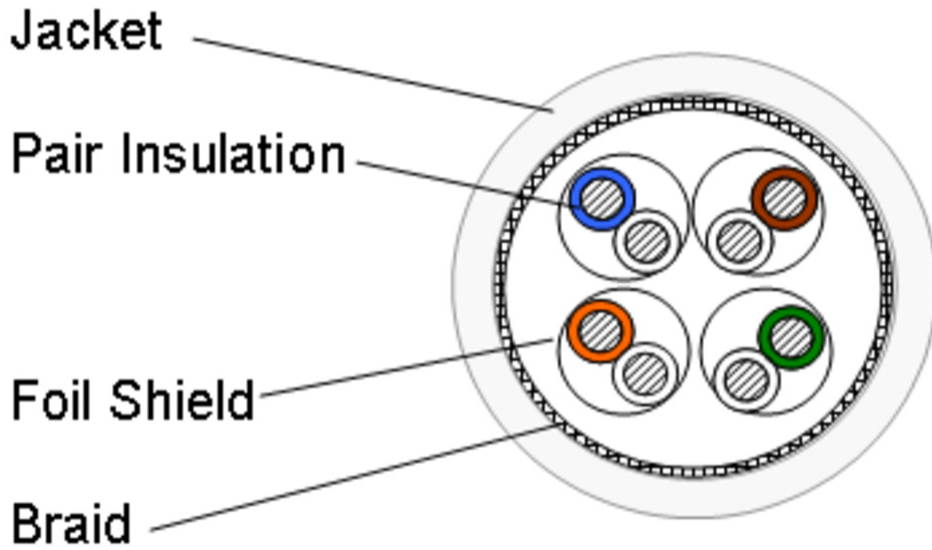
General Specifications

| | |
|--------------------------------|--|
| 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 |

760237946 | 3297B-B WH 4/23 R1640

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 | IEC 60754-2

EN50575 CPR Cable EuroClass Fire Performance B2ca

EN50575 CPR Cable EuroClass Smoke Rating s1a

EN50575 CPR Cable EuroClass Droplets Rating d1

EN50575 CPR Cable EuroClass Acidity Rating a1

Environmental Space Low Smoke Zero Halogen (LSZH)

Flame Test Method EN 50399 | IEC 60332-1-2

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

CENELEC

ISO 9001:2015

Classification

EN 50575 compliant, Declaration of Performance (DoP) available

Designed, manufactured and/or distributed under this quality management system

