3298A-C Category 7A 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

Ordering Note  
Available in Europe, Middle East, and Africa

General Specifications

Product Number  
3298A-C

ANSI/TIA Category  
7A

Cable Component Type  
Horizontal

Cable Type  
S/FTP (shielded)

Conductor Type, singles  
Solid

Conductors, quantity  
8

Jacket Color  
White

Pairs, quantity  
4

Transmission Standards  
ANSI/TIA-568.2-D  |  CENELEC EN 50288-9-1  |  IEC 61156-5 Cat 7  |  ISO/IEC 11801 Class FA

Dimensions

Cable Length  
500 m  |  1,640.42 ft

Cable Length Tolerance  
±5%

Diameter Over Jacket, nominal  
7.493 mm  |  0.295 in

Jacket Thickness  
0.635 mm  |  0.025 in

Conductor Gauge, singles  
23 AWG

Cross Section Drawing
**Electrical Specifications**

- **dc Resistance Unbalance, maximum**: 2 %
- **dc Resistance, maximum**: 7.61 ohms/100 m | 2.32 ohms/100 ft
- **Mutual Capacitance at Frequency**: 4.3 nF/100 m @ 1 kHz
- **Nominal Velocity of Propagation (NVP)**: 76 %
- **Operating Frequency, maximum**: 1000 MHz
- **Operating Voltage, maximum**: 80 V

**Material Specifications**

- **Conductor Material**: Bare copper
- **Insulation Material**: Polyolefin
- **Jacket Material**: Low Smoke Zero Halogen (LSZH)
- **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: Cca
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: 64.125 kg/km | 43.09 lb/kft

Packaging Type: Reel

Regulatory Compliance/Certifications

Agency | Classification
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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
ROHS | Compliant
UK-ROHS | Compliant

![CENELEC](image1.png) ![ISO 9001:2015](image2.png)