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 | 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
Electrical Cable Performance

CS  CommScope
STD  Refers to the standard value listed under Transmission Standards in the Electrical Specifications above
TYP  Typical Electrical Performance
IL  Insertion Loss (dB/100m)
ACR  Attenuation to Crosstalk Ratio (dB/100m)
PSACR  Power Sum Attenuation to Crosstalk Ratio (dB/100m)
PSACRF  Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
TCL  Transverse Conversion Loss (dB/100m)
NEXT  Near End Crosstalk (dB/100m)
PSNEXT  Power Sum Near End Crosstalk (db/100m)
ACRF  Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL  Return Loss (dB)
ELTCTL  Equal Level Transverse Conversion Transfer Loss (dB/100m)

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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
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