

3298A Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

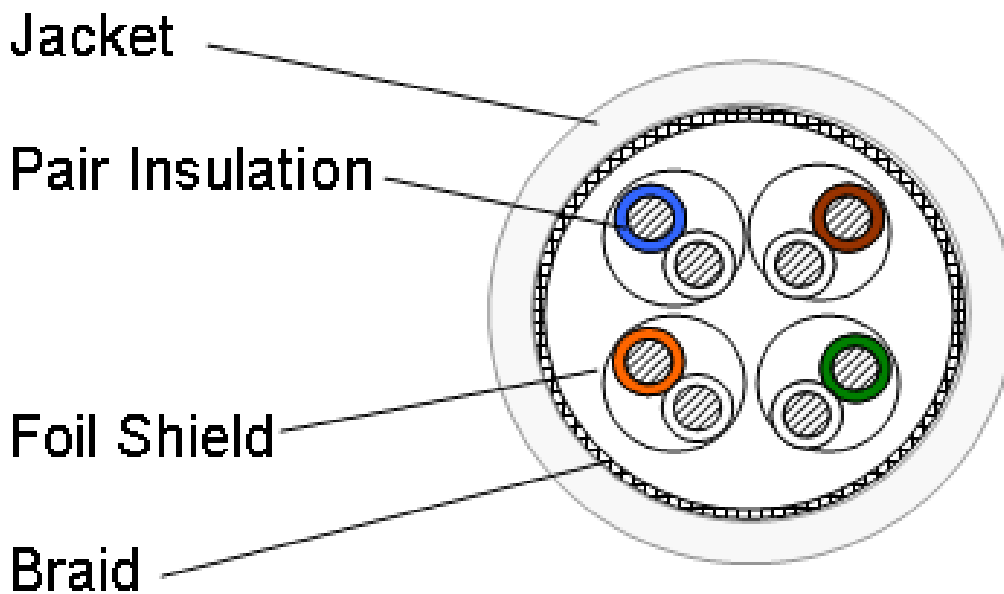
### Product Classification

<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Twisted pair cable
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America

### Standards And Qualifications

<b>EN50575 CPR Cable EuroClass</b>	Dca   s2   d1   a1
------------------------------------	--------------------

### Cross Section Drawing



### Construction Materials

<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin

<b>Shield (Braid) Material</b>	Tinned copper
<b>Shield (Tape) Material</b>	Polyester/Aluminum shield

## Dimensions

<b>Cable Length</b>	500 m   1640 ft
<b>Cable Length Tolerance</b>	±5%
<b>Cable Weight</b>	43.14 lb/kft
<b>Diameter Over Jacket, nominal</b>	7.493 mm   0.295 in
<b>Jacket Thickness</b>	0.635 mm   0.025 in

## Electrical Performance

IL	Insertion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (dB/100m)
ELFEXT	Equal-Level Far End Crosstalk (dB/100m)
PSELFEXT	Power Sum Equal-Level Far End Crosstalk (dB/100m)
RL	Return Loss (dB)

Freq (MHz)	IL	NEXT	PSNEXT	ELFEXT	PSELFEXT	RL
1	2.1	78.0	75.0	78.0	75.0	20.0
4	3.7	78.0	75.0	78.0	75.0	23.0
8	5.2	78.0	75.0	77.2	74.2	24.5
10	5.8	78.0	75.0	75.3	72.3	25.0
16	7.3	78.0	75.0	71.2	68.2	25.0
20	8.2	78.0	75.0	69.3	66.3	25.0
25	9.2	78.0	75.0	67.3	64.3	24.3
31.25	10.3	78.0	75.0	65.4	62.4	23.6
62.5	14.6	78.0	75.0	59.4	56.4	21.5
100	18.5	75.4	72.4	55.3	52.3	20.1
155	23.2	72.5	69.5	51.5	48.5	18.8
200	26.5	70.9	67.9	49.3	46.3	18.0
250	29.7	69.4	66.4	47.3	44.3	17.3
300	32.7	68.2	65.2	45.8	42.8	17.3
350	35.4	67.2	64.2	44.4	41.4	17.3
400	38.0	66.4	63.4	43.3	40.3	17.3
500	42.8	64.9	61.9	41.3	38.3	17.3
550	45.0	64.3	61.3	40.5	37.5	17.3
600	47.1	63.7	60.7	39.7	36.7	17.3
650	49.2	63.2	60.2	39.0	36.0	17.0
700	51.1	62.7	59.7	38.4	35.4	16.6
750	53.1	62.3	59.3	37.8	34.8	16.3
800	54.9	61.9	58.9	37.2	34.2	16.1
850	56.7	61.5	58.5	36.7	33.7	15.8
900	58.5	61.1	58.1	36.2	33.2	15.5
950	60.2	60.7	57.7	35.7	32.7	15.3
1000	61.9	60.4	57.4	35.3	32.3	15.1
1100	65.2	59.8	56.8	34.5	31.5	14.7
1200	68.4	59.2	56.2	33.7	30.7	14.3

\*Values above 1000 MHz are for engineering purposes only.

## Electrical Specifications

<b>ANSI/TIA Category</b>	7A
<b>dc Resistance Unbalance, maximum</b>	2 %
<b>dc Resistance, maximum</b>	7.61 ohms/100 m
<b>Mutual Capacitance</b>	4.3 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	76 %
<b>Operating Frequency, maximum</b>	1000 MHz
<b>Operating Voltage, maximum</b>	80 V
<b>Transmission Standards</b>	ISO/IEC 11801 Class FA

## Environmental Specifications

<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)
<b>Smoke Test Method</b>	IEC 61034-2
<b>Acid Gas Test Method</b>	IEC 60754-2
<b>Flame Test Method</b>	IEC 60332-3-24
<b>Installation Temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)

## General Specifications

<b>Cable Type</b>	S/FTP (shielded)
<b>Packaging Type</b>	Reel
<b>Pairs, quantity</b>	4
<b>Cable Component Type</b>	Horizontal
<b>Jacket Color</b>	White
<b>Product Number</b>	3298A
<b>Conductor Gauge, singles</b>	23 AWG
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Ordering Note</b>	Available in Europe, Middle East, and Africa

## Mechanical Specifications

<b>Pulling Tension, maximum</b>	11 kg   25 lb
---------------------------------	---------------

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

