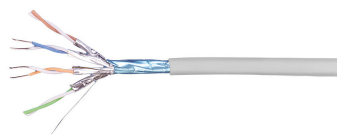


# 760241440 | 3296A SL 4/23 R1640

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3296A Category 6A F/FTP Cable, low smoke zero halogen, slate jacket, 4 pair count, 1640 ft (500 m) length, reel

## Product Classification

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

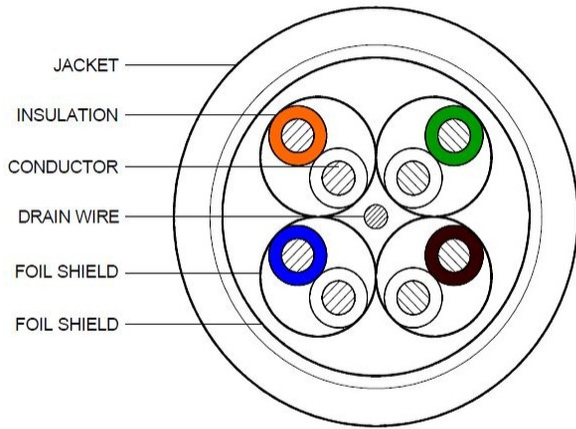
## General Specifications

<b>Product Number</b>	3296A
<b>ANSI/TIA Category</b>	6A
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	F/FTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	Slate
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA

## Dimensions

<b>Cable Length</b>	500 m   1,640.42 ft
<b>Cable Length Tolerance</b>	±5%
<b>Diameter Over Insulated Conductor</b>	1.168 mm   0.046 in
<b>Diameter Over Jacket, nominal</b>	7.01 mm   0.276 in
<b>Jacket Thickness</b>	0.61 mm   0.024 in
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<b>Coupling Attenuation</b>	Type II
<b>dc Resistance Unbalance, maximum</b>	2 %
<b>dc Resistance, maximum</b>	7.61 ohms/100 m   2.32 ohms/100 ft
<b>Mutual Capacitance at Frequency</b>	4.2 nF/100 m @ 1 kHz
<b>Nominal Velocity of Propagation (NVP)</b>	79 %
<b>Operating Frequency, maximum</b>	500 MHz
<b>Operating Voltage, maximum</b>	80 V
<b>Remote Powering</b>	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A
<b>Segregation Class</b>	d
<b>Transfer Impedance</b>	Grade 2

## Material Specifications

<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	Polyolefin
<b>Jacket Material</b>	Low Smoke Zero Halogen (LSZH)
<b>Shield (Tape) Material</b>	Polyester/Aluminum shield

## Mechanical Specifications

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**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** IEC 60754-2  
**EN50575 CPR Cable EuroClass Fire Performance** Dca  
**EN50575 CPR Cable EuroClass Smoke Rating** s2  
**EN50575 CPR Cable EuroClass Droplets Rating** d2  
**EN50575 CPR Cable EuroClass Acidity Rating** a1  
**Environmental Space** Low Smoke Zero Halogen (LSZH)  
**Flame Test Method** IEC 60332-3-24  
**Smoke Test Method** IEC 61034-2

## Packaging and Weights

**Cable weight** 48.499 kg/km | 32.59 lb/kft  
**Packaging Type** Reel

## Regulatory Compliance/Certifications

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

