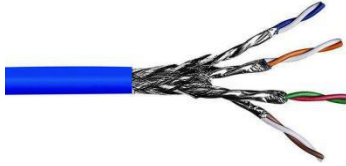


# 720001

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720001 Category 7 S/FTP Cable, low smoke zero halogen, blue 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>	LITANG®
<b>Product Type</b>	Twisted pair cable
<b>Ordering Note</b>	Available in Europe, Middle East, and Africa

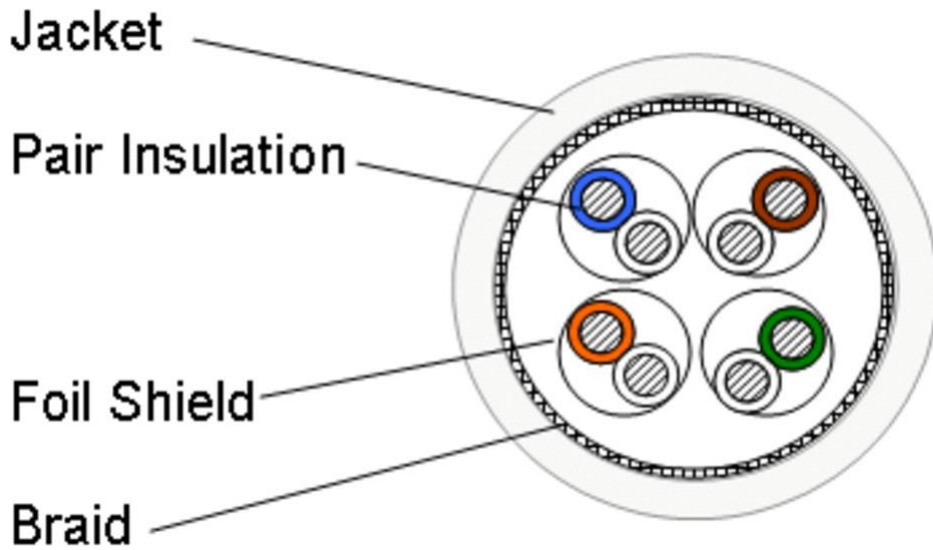
## General Specifications

<b>Product Number</b>	720001
<b>ANSI/TIA Category</b>	7
<b>Cable Component Type</b>	Horizontal
<b>Cable Type</b>	S/FTP (shielded)
<b>Conductor Type, singles</b>	Solid
<b>Conductors, quantity</b>	8
<b>Jacket Color</b>	Blue
<b>Note</b>	All electrical transmission tests include swept frequency measurements
<b>Pairs, quantity</b>	4
<b>Transmission Standards</b>	CENELEC EN 50288-4-1   ISO/IEC 11801 Class F

## Dimensions

<b>Cable Length</b>	1640 ft   499.872 m
<b>Cable Length Tolerance</b>	±5%
<b>Diameter Over Jacket, nominal</b>	0.291 in   7.391 mm
<b>Jacket Thickness</b>	0.025 in   0.635 mm
<b>Conductor Gauge, singles</b>	23 AWG

## Cross Section Drawing



## Electrical Specifications

<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 @ 1kHz
<b>Nominal Velocity of Propagation (NVP)</b>	80 %
<b>Operating Frequency, maximum</b>	600 MHz
<b>Operating Voltage, maximum</b>	80 V

## Electrical Performance

# 720001

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	2.0	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	5.9	78.0	75.0	75.3	72.3	25.0
16	7.4	78.0	75.0	71.2	68.2	25.0
20	8.3	78.0	75.0	69.3	66.3	25.0
25	9.3	78.0	75.0	67.3	64.3	24.3
31.25	10.4	78.0	75.0	65.4	62.4	23.6
62.5	14.9	75.5	72.5	59.4	56.4	21.5
100	19.0	72.4	69.4	55.3	52.3	20.1
155	24.0	69.5	66.5	51.5	48.5	18.8
200	27.5	67.9	64.9	49.3	46.3	18.0
250	31.0	66.4	63.4	47.3	44.3	17.3
300	34.2	65.2	62.2	45.8	42.8	17.3
350	37.2	64.2	61.2	44.4	41.4	17.3
400	40.0	63.4	60.4	43.3	40.3	17.3
500	45.3	61.9	58.9	41.3	38.3	17.3
550	47.7	61.3	58.3	40.5	37.5	17.3
600	50.1	60.7	57.7	39.7	36.7	17.3
650	52.4	60.2	57.2	39.0	36.0	17.3

\*Values above 600 MHz are for engineering purposes only.

## 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

## Mechanical Specifications

Pulling Tension, maximum	25 lb   11.34 kg
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## Environmental Specifications

# 720001

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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	Dca   a1   d1   s2
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	38.3 lb/kft   5.295 kg/km
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
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.litangcables.com/ProductCompliance">www.litangcables.com/ProductCompliance</a>
ROHS	Compliant

