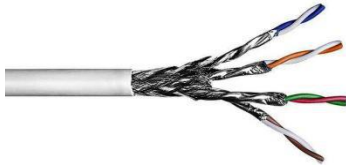


# 720005

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Copper Cable, category 7, 4 pair simplex, S/FTP, LSFRZH, XG, 23 AWG solid, 500 m, Pink



## Product Classification

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

## General Specifications

<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>	Pink
<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>Diameter Over Jacket, nominal</b>	0.287 in   7.29 mm
<b>Conductor Gauge, singles</b>	23 AWG

## Electrical Specifications

<b>Characteristic Impedance</b>	100 ohm
<b>Characteristic Impedance Tolerance</b>	±15 ohm
<b>dc Resistance, maximum</b>	15 ohms/100 m   4.572 ohms/100 ft
<b>Delay Skew, maximum</b>	7 ns
<b>Nominal Velocity of Propagation (NVP)</b>	80 %

# 720005

Operating Voltage, maximum

80 V

## Electrical Performance

Freq (MHz)	Att	ACR	PSNEXT		PSELFEXT	RL	
	Typ.	Typ.	Min.	Typ.	Min.	Min.	Typ.
1	2.0	94	75	93	75	20	26
4	3.6	92	75	93	75	23	30
10	5.9	90	75	93	75	25	33
16	7.4	88	75	93	73	25	33
20	8.3	87	75	93	71	25	33
31.25	10	86	75	93	67	25	33
62.5	14	82	72.5	93	61	25	33
100	18	78	69.4	93	57	23	33
200	26	67	64.9	90	51	21	29
250	28	64	63.4	89	49	20	28
300	33	57	62.2	87	47	20	27
450	39	39	59.6	85	44	19	26
600	46	34	57.7	77	36	18	25
750*	52	28	-	75	34	-	24
900*	55	17	-	72	32	-	23
1000*	57	15	-	70	30	-	20

\* For engineering purposes only (data above 600 MHz)

## Material Specifications

Conductor Material

Bare copper

Insulation Material

Polyolefin

Jacket Material

Low Smoke Fire Retardant Zero Halogen (LSFRZH)

Shield (Tape) Material

Aluminum/Polyester

## Environmental Specifications

Installation temperature

0 °C to +50 °C (+32 °F to +122 °F)

# 720005

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**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)  
**EN50575 CPR Cable EuroClass** Dca | a1 | d1 | s2

## Packaging and Weights

**Packaging Type** Reel

## Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.litangcables.com/ProductCompliance">www.litangcables.com/ProductCompliance</a>
ROHS	Compliant

