

## FEATURES

- 4 Pair multi construction
- Bare copper conductor
- Cat6a performs at better lengths than a cat6
- Skin foam skin insulation
- Both 100 m and 500 m shielded cables available

## RS PRO Shielded Cat6a Cable 500m, LSZH

RS Stock No.: 842-7349



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

Brought to you by RS Pro, A well built and durable Cat6a cable suitable for home, office and industrial networks requiring a reliable internet connection. These cables are LSZH (Low Smoke Zero Halogen) ensuring health and safety standards are met in the even of it being near a high heat source.

### General Specifications

<b>Terminated/Unterminated</b>	Unterminated
<b>Shield Type</b>	F/FTP
<b>Conductor Material</b>	Bare Copper
<b>Insulator Material</b>	S kin-Foam-Skin
<b>Drain Wire</b>	Yes
<b>Fire Behaviour</b>	Low Smoke Zero Halogen (LSZH)

### Electrical Specifications

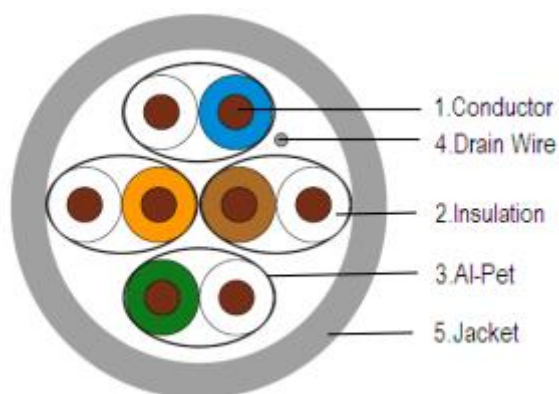
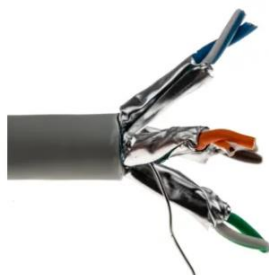
<b>Attenuation</b>	45.30dB
<b>Frequency</b>	500MHz
<b>Conductor Resistance</b>	Max. 85.6ohm/km at 20°C

### Mechanical Specifications

<b>Length</b>	500m
<b>Outer Diameter</b>	7.3mm
<b>Insulator Diameter</b>	1.32±0.15x2C Twist
<b>Core Strands</b>	

## Approvals

<b>Compliance/Certifications</b>	2011/65/EU and 2015/863
<b>Standards</b>	ISO/IEC 11801:2011, IEC61156-5:2009, EN50173, EN50288, ANSI/TIA 568-C.2.2009, IEC60332-1, IEC61034, IEC60754



Electrical Characteristics				
Performance				
Frequency (MHz)	Attenuation (dB/100m)	Next (dB)	PS NEXT (dB)	RL (dB)
1.00	2.10	75.30	72.30	20.00
4.00	3.80	66.30	63.30	23.00
10.00	5.90	60.30	57.30	25.00
16.00	7.50	57.20	54.20	25.00
31.25	10.50	52.90	49.90	23.60
62.50	15.00	48.40	45.40	21.50
100.00	19.10	45.30	42.30	20.10
250.00	31.10	39.30	36.30	17.30
500.00	45.30	34.80	31.80	17.30
Frequency (MHz)	ELFEXT (dB)	PEELFEXT (dB)		
1.00	68.00	65.00		
4.00	56.00	53.00		
10.00	48.00	45.00		
16.00	43.90	40.90		
31.25	38.10	35.10		
62.50	32.10	29.10		
100.00	28.00	25.00		
250.00	20.00	17.00		
500.00	14.00	11.00		
Max. Conductor DC Resistance at 20°C (Ω/Km)				<85.6
Rated Temperature(°C)				60
Velocity ratio				70%
Impedance(Ω)			1-100MHz	100±15
			100-250MHz	100±20
			250-500MHz	100±25
Fire Performance: IEC60332-1				
Smoke Density: IEC61034				
Halogen Free: IEC60754				