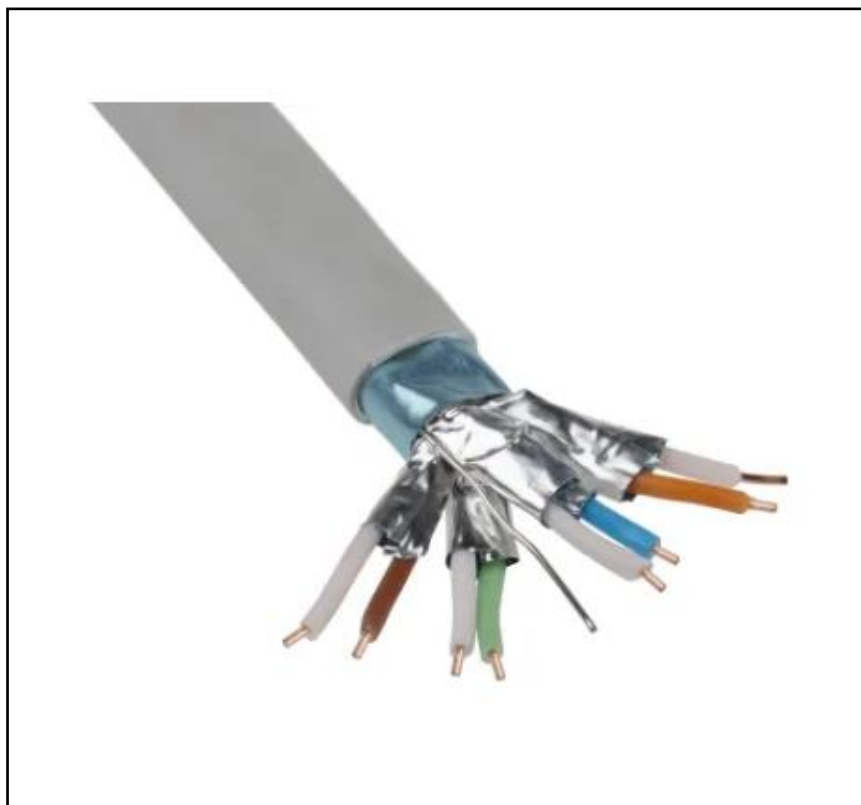


FEATURES

- 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 100m, Flame Retardant LSZH, Grey

RS Stock No.: 842-7346



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

Terminated/Unterminated	Unterminated
Shield Type	F/FTP
Outer Sheath Material	LSZH
Sheath Colour	Grey
Conductor Material	Bare Copper
Insulator Material	S kin-Foam-Skin
Drain Wire	Yes
Fire Behaviour	Flame Retardant; Low Smoke Zero Halogen (LSZH)

Electrical Specifications

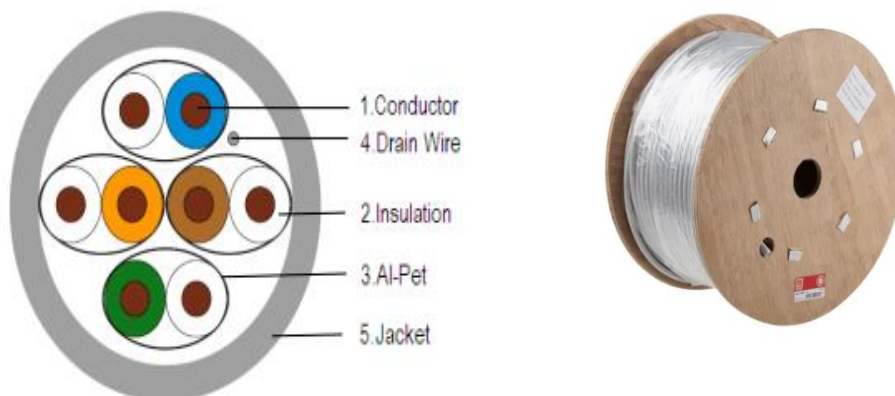
Attenuation	45.30dB
Frequency	500MHz
Conductor Resistance	Max. 85.6ohm/km at 20°C

Mechanical Specifications

Length	100m
Outer Diameter	7.3mm
Insulator Diameter	1.32±0.15x2C Twist

Approvals

Compliance/Certifications	2011/65/EU and 2015/863
Standards Met	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				