

## FEATURES

- Purple in colour
- Solid wire Ethernet cable
- Unshielded twisted pairs (UTP) network cable
- 305 meters in length
- Low Smoke Zero Halogen sheathed data cable
- High speed and performance of data transmission
- Cat6 cables are backward compatible, they interact with older data and systems
- Reduced crosstalk and noise levels

## RS PRO Purple Cat6 Cable U/UTP LSZH Unterminated/Unterminated Low Smoke Zero Halogen (LSZH), 305m

RS Stock No.: 557-121



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

From the trusted brand RS PRO, comes a range of high-quality unterminated Cat6 cables. These enhanced and high-performance, Cat6 cables are a fantastic solution for carrying signals in structured computer networking systems for both business and home network installations. These Cat 6 cables are backwards compatible with Cat3, and Cat5/ Cat5e.

### General Specifications

<b>Conductor Strand Type</b>	Solid
<b>Terminated/Unterminated</b>	Unterminated
<b>Connector Type</b>	Unterminated/ Unterminated
<b>Shield Type</b>	U/UTP
<b>Outer Sheath Material</b>	LSZH
<b>Sheath Colour</b>	Purple
<b>Conductor Material</b>	24 AWG Bare
<b>Insulator Material</b>	HDPE, FRPE, FEP
<b>Fire Behaviour</b>	Low Smoke Zero Halogen (LSZH)
<b>Application</b>	Cat6 type cables have primary application use for both home and office computer networks

### Electrical Specifications

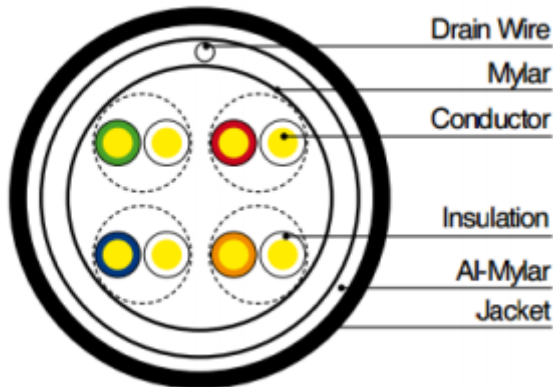
<b>Capacitance</b>	Nf/100ft 17.1
<b>Attenuation</b>	44db
<b>Frequency</b>	350mhz
<b>Conductor Resistance</b>	Ohm/1000ft 28.6

**Mechanical Specifications**

<b>Length</b>	305m
<b>Outer Diameter</b>	6mm
<b>Core Strands</b>	1/24

**Approvals**

<b>Compliance/Certifications</b>	2011/65/EU and 2015/863
<b>Standards Met</b>	ANSI/TIA 568-C.2, EN 50173, EN 50288-3-1, IEC 61156-5, ISO/IEC 11801 2nd Edition, RoHS Compliant



TYPE	PART NO.	INSULATION THICKNESS (mm)	DIAMETER (mm)	WEIGHT (lb/kg)	FLAME RETARDANT RATING
PVC	FTP5E305PVC	2.5	5		-
LSZH	FTP5E305LSZH	2.5	5		ISO 60332-1

	ATTMAX	NEXT	ACR	P.S.NEXT	PS.ACR	ELFEXT	PS.ELFEXT	RL
MHz	dB/100m	MIN. dB	MIN. dB	MIN. dB	MIN. dB	MIN (dB/100m)	MIN. (dB/100m)	
1	2.0	65.3	63.3	62.3	60.3	63.8	60.8	20.0
31.25	11.7	42.9	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	18.4	27.8	24.8	21.5
100	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1
155	28.1	32.5	4.4	29.5	1.4	20.0	17.0	18.8
200	32.4	30.8	n/a	27.8	n/a	17.7	14.7	18.0
300	41	28.2	n/a	25.2	n/a	14.2	11.2	16.8
350	44.9	27.1	n/a	24.1	n/a	12.9	9.9	16.3