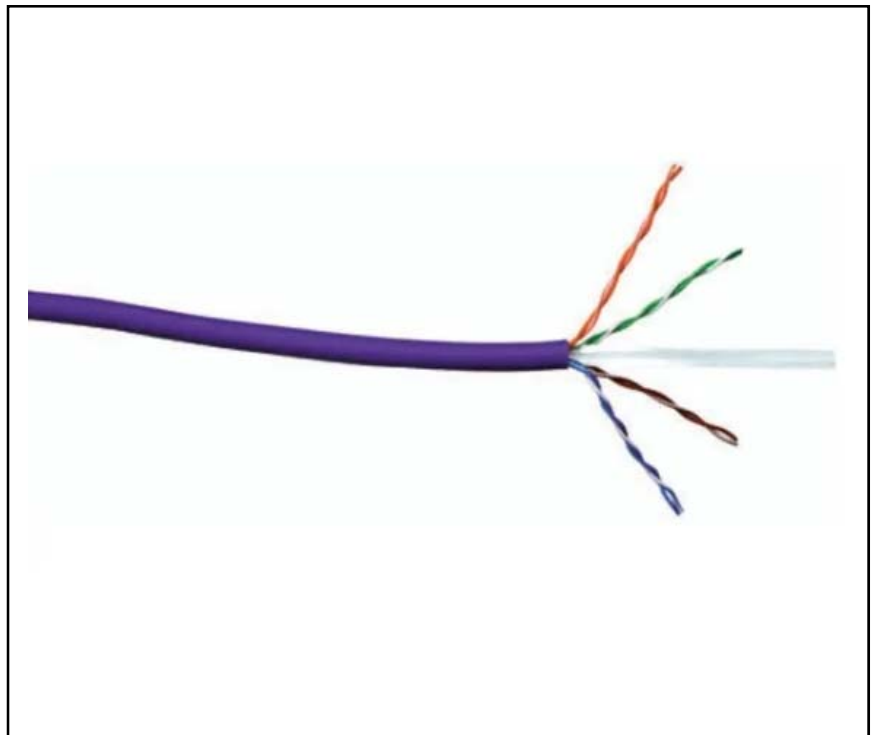


## FEATURES

- Purple in colour
- 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.: 556-304



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

This RS PRO Cat 6 cable is Low Smoke Zero Halogen, commonly termed as LSZH or LSOH cables are used where smoke emission and toxic fumes could cause harm to human health, as well as to essential equipment in the event of a fire. LSZH cables have an outer sheath material which produce lower levels of smoke and toxic fumes, and no acid gases. These are particularly beneficial to personnel exiting safely during a fire, as well as increasing the safety of the firefighting operation.

### General Specifications

<b>Terminated/Unterminated</b>	Terminated; 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>	A single strand of 23AWG(0.574mm)copper
<b>Insulator Material</b>	Polythene
<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>	$\leq 1600 \text{ pF/km}$
<b>Attenuation</b>	$\geq 40\text{dB}$
<b>Conductor Resistance</b>	$\leq 19.0\Omega/100\text{m}$
<b>Insulation Resistance</b>	$\geq 500\text{M}\Omega.\text{km}$

**Mechanical Specifications**

<b>Length</b>	305m
<b>Outer Diameter</b>	6mm
<b>American Wire Gauge</b>	23
<b>Core Strands</b>	1/23

**Operation Environment Specifications**

<b>Operating Temperature</b>	-20°C to 60°C
<b>Installation Temperature</b>	0°C to +50°C

**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 standards