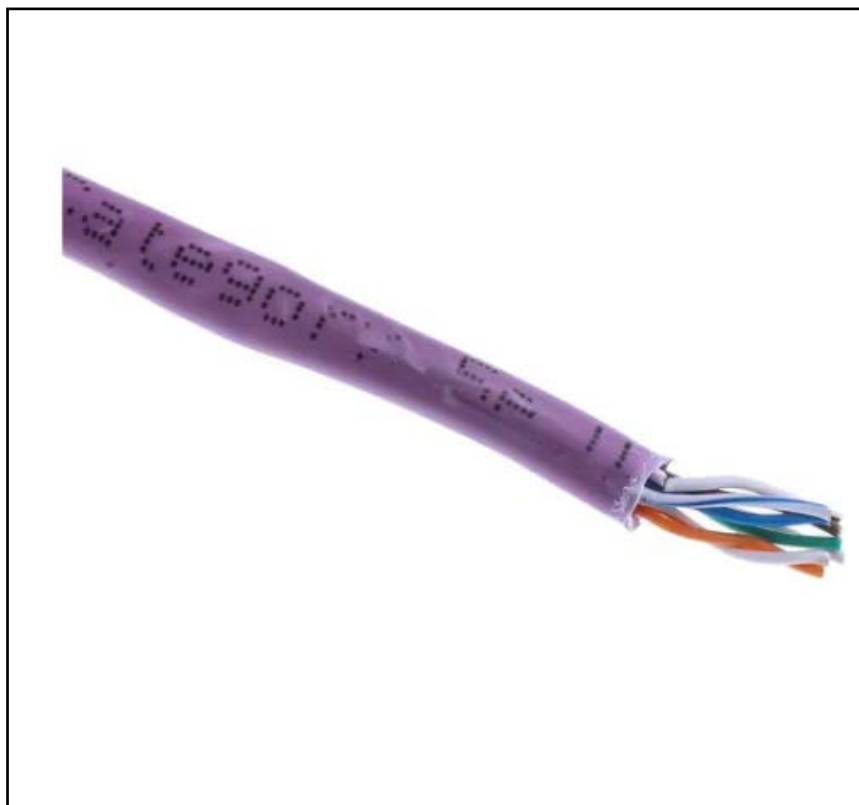


## FEATURES

- Designed to deliver robust performance
- Ensure optimum bandwidth
- Supports horizontal networking applications up to 100m

## RS PRO Purple PVC Cat5e Cable U/UTP, 305m Underminated/Underminated

RS Stock No.: 557-159



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

RS Pro Category 5e cables have been designed to deliver excellent performance in high speed network applications. This Cat5e cable exceeds the minimum specified performance and prevents crosstalk helping to keep data safe.

### General Specifications

<b>Conductor Strand Type</b>	Stranded
<b>Terminated/Unterminated</b>	Unterminated
<b>Connector Type</b>	Unterminated/ Unterminated
<b>Shield Type</b>	U/UTP
<b>Outer Sheath Material</b>	PVC
<b>Sheath Colour</b>	Purple
<b>Conductor Material</b>	Bare Copper
<b>Insulator Material</b>	HDPE
<b>Fire Behaviour</b>	Low Smoke Zero Halogen (LSZH)
<b>Application</b>	Supports backbone and horizontal networking applications over distances up to 100 metres.

### Electrical Specifications

<b>Attenuation</b>	32.0dB/100m
<b>Frequency</b>	100MHz

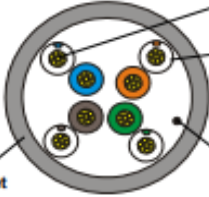
**Mechanical Specifications**

<b>Length</b>	305m
<b>Outer Diameter</b>	4.7±0.3 mm
<b>Sheath Thickness</b>	0.55±0.05 mm
<b>Insulator Diameter</b>	0.81mm +/-0.03
<b>American Wire Gauge</b>	26
<b>Core Strands</b>	7/016

**Approvals**

<b>Compliance/Certifications</b>	2011/65/EU and 2015/863
<b>Standards Met</b>	ANSI/EIA/TIA 568B.2:2002, ISO/IEC 11801:2002, RoHS, REACH.



Sheath Printing	Category 5e UTP 4P Stranded 26AWG LSZH ETL Verified TIA/EIA568 ISO/IEC11801:2002 meter mark								
Category	PATCH U/UTP CAT5e-4P- LSZH				 <p>copper conductor</p> <p>Insulation</p> <p>LSZH Jacket</p> <p>Rip-cord</p>				
Test Standard	ISO/IEC11801、TIA/EIA 568B								
1. Conductor	Material	Stranded-Bare Copper							
	Nom. O.D. (mm)	26AWG(7/0.16)							
2. Insulation	Material	HDPE							
	Diameter	0.81±0.03mm							
Color	A.Blue, White-Blue	B.Orange,White-Orange			Technical Performance (100m):				
	C.Green,White-Green	D.Brown, White-Brown				Frequency RL	ATT	NEXT	DELAY
3. Rip-cord	Yes	Drain wire	N/A		(MHz)	dB	dB	dB	ns
4. Shielded	N/A				1	20.0	3.3	65.3	570.00
5. Sheath	Thickness	0.55±0.05 mm			4.0	23.0	6.4	56.3	552.00
	External O.D.	4.7±0.3 mm			8.0	24.5	8.7	51.8	546.73
	Surface	Clean,Frap,Satiation			10.0	25.0	9.6	50.3	545.38
	Material	LSZH			16.0	25.0	12.3	47.2	543.00
	Color	Purple (RAL4001)			20.0	25.0	13.6	45.8	542.05
Surface Printing	Letter height	3.0±0.3mm			25.0	24.3	15.2	44.3	541.20
	Color	Black			31.25	23.6	17.1	42.9	540.44
	Print error & Space	≤±0.5%, 1m			62.5	21.5	24.8	38.4	538.55
Packing	Carton box + pallet				100	20.1	32.0	35.3	537.60
Carton dimension	35x35x21cm				Frequency PSNEXT		ELFEXT		PSELFEXT
Packing length	1000ft / 305m				(MHz)	dB	dB		dB
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		1	62.3	63.8		60.8
		Elongation (%)	≥150		4	53.3	51.8		48.8
	Aging Period (°C×hrs)		100°C×24h×7d		8	48.8	45.7		42.7
	After Aging	Tensile Strength (Mpa)	≥12.5		10	47.3	43.8		40.8
		Elongation (%)	≥125		16	44.4	39.7		36.7
	Cold bend (-20±2°C×4h)		No visible cracks		20	42.8	37.8		34.8
					25	41.3	35.8		32.8
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)		100±15		31.25	39.9	33.9		30.9
	1.0-100.0MHz, Delay Shew 20°C(ns/100m)		≤45		62.5	35.4	27.9		24.9
	DC Resistance 20°C(Ω/100m) max		14.8		100	32.3	23.8		20.8