

## PVC UL

PVC UL is a flame retarded, flexible non-shrink sleeve with an operating temperature of -40°C-+105°C which conforms to Underwriters Laboratories at 300V and 600V. It is ideal for applications with higher temperature requirements. It is available in a full range of colours and sizes and can be [cut](#) and [printed](#) as required.

This higher temperature UL approved PVC hose has been rated at 300V and 600V. It also passes the VW1 flame test and is approved to UL 224. It is a flexible jacket with good dielectric properties, chemical and fungal resistance and low water absorption which is manufactured from premium virgin grade compound and frequently used in wire harnessing for electrical insulation. It is supplied with a 0.5mm nominal wall, in a wide range of metric and AWG sizes and many colours including green/yellow for earth as standard. Bespoke sizes, wall thicknesses and colours are available on enquiry.



## Technical Data

- **Operating Temperature** -40°C-+105°C
- **Flame Retardant:** Passes VW-1
- **Colours:** Black, Brown, Blue, Green, Yellow, Grey, White, Red, Green / Yellow, (Pink / Violet / Orange to order)
- **Sizes:** 1mm ? 25mm
- **Packing:** Coils, reels, cut to length, cut sleeves
- **Print:** Yes, full range of text and logos
- **Approvals:** UL approved 300V & 600V, RoHS compliant
- **Applications / Industries:** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Military-defence, Aerospace

Properties	Typical Values	Test Methods
General		
Operating Temperature	-40°C – + 105°C	
Physical		
Tensile Strength	22MPa	
Ultimate elongation	260%	
Hardness	BSS25-35	
Thermal		
Flammability	Passes VW1 flame test	UL VW1
Electrical		
Dielectric strength	25kV/mm	
Insulation Resistance	10 <sup>12</sup> Ohm/cm	
Voltage rating	300V & 600V	

Size (mm)	Supplied diameter (mm)	Application range (mm)
1	1.0	0.40
1.5	1.5	0.40
2	2.0	0.40
2.5	2.5	0.40
3	3.0	0.50
4	4.0	0.50
5	5.0	0.50
6	6.0	0.50
7	7.0	0.50
8	8.0	0.60
9	9.0	0.60
10	10.0	0.60
12	12.0	0.60
14	14.0	0.70
16	16.0	0.70
20	20.0	0.80
25	25.0	0.80

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