

FEATURES

- Good flexibility for ease of use
- Resistant to a wide range of chemicals including many acids / alkalis
- Specially selected high tensile polyester fibres
- EC compliant for food contact applications
- Manufactured from cadmium and silicone-free materials
- Using a specialist PVC that can reduce the taint of drinking water

RS PRO PVC Flexible Tubing, Transparent, 18.5mm External Diameter, 25m Long Reinforced, 55mm Bend Radius, Applications

RS Stock No.: 440-880



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 PVC tubing is perfect to use in a multitude of applications, whether is DIY or commercial use, the EC compliant low toxic hose is reliable and highly durable over time. Suitable for liquids such as water, fuels, oils and other chemicals, this RS Pro hose is also suited for use within the food industry and can be used for air and gas applications. This multi-purpose, high-quality all-round performer is universally popular, especially for the conveyance of air and water.

General Specifications

Material	PVC
Colour	Transparent
Reinforced	Yes
Application	Chemical, Compressed Air, Food, Liquid, Water, Widely used by the caravan industry for piping water and chemicals, Popular for pharmaceutical / scientific applications for the transfer of chemicals, Air applications such as pneumatic tools, For the transfer of food substances and liquids

Mechanical Specifications

Inner Diameter	12.5mm
Outer Diameter	18.5mm
Length	25m
Bend Radius	55mm
Safety Factor	4:1

Operation Environment Specifications

Minimum Operating Temperature	-15°C
Maximum Operating Temperature	+60°C
Maximum Working Pressure	15 bar

Approvals

Compliance/Certifications	BS6066, ISO5774/ RoHS compliant
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Product Ref	CR03	CR05	CR06	CR08	CR10	CR12
Ex Stock	30m roll	• •	• • • •	• • • •	• • • •	• • • •
	100m roll		•	•	•	•
Nominal size	3.0 x 8mm	5 x 10mm	6.3 x 11.5mm	8 x 13.5mm	10 x 16mm	12.5 x 18.5mm
Internal Diameter	3.2 ± 0.20mm	4.75mm ± 0.25	6.3 ± 0.25mm	8.0 ± 0.25mm	10.0 ± 0.25mm	12.5 ± 0.25mm
External Diameter	8.0 ± 0.25mm	10.0mm ± 0.25	11.5 ± 0.30mm	13.5 ± 0.30mm	16.0 ± 0.30mm	18.5 ± 0.30mm
Length Tolerance	BS EN ISO 1307 (± 1%)					
Maximum Working Pressure	32 Bar	27 Bar	16 Bar	16 Bar	15 Bar	15 Bar
Minimum Burst Pressure	128 Bar	108 Bar	64 Bar	64 Bar	60 Bar	60 Bar
Bend radius	20mm	20mm	28mm	29mm	40mm	55mm
Working Temperature	- 15°C to + 60°C					
Material	Flexible PVC					
Material Softness	BSS45 FDA Approved					
Flammability	Self Extinguishing					
Weight per meter	0.056Kg	0.074Kg	0.093Kg	0.123Kg	0.163Kg	0.187Kg
Coil Weight	1.68 Kg	2.22Kg	2.78Kg	3.70Kg	4.89Kg	5.61Kg
Packaging	Strapex Ties and Shrinkwrap					
Applicable Standards	BS EN ISO 5774 (Plastic hoses. Textile-reinforced types for compressed-air applications.) & BS EN ISO 6224 (Thermoplastics hoses, textile-reinforced, for general-purpose water applications)					

Product Ref		CR16	CR19	CR25	CR32	CR38	CR50
Ex Stock	30m roll	• ●	• ●	•	•	•	•
	100m roll	•	•	•			
Nominal size		16 x 23mm	19 x 26mm	25 x 33mm	32 x 42mm	38 x 48mm	50 x 62mm
Internal Diameter		16.0 ± 0.25mm	19.0 ± 0.25mm	25.0 ± 0.50mm	32.0 ± 0.50mm	38.0 ± 0.50mm	50.0 ± 0.75mm
External Diameter		23.0 ± 0.50mm	25.75 ± 0.50mm	32.50 ± 0.50mm	42.0 ± 0.75mm	48.0 ± 1.00mm	62.0 ± 1.00mm
Length Tolerance							
Maximum Working Pressure		12 Bar	10 Bar	10 Bar	10 Bar	10 Bar	8 Bar
Minimum Burst Pressure		48 Bar	40 Bar	40 Bar	40 Bar	40 Bar	32 Bar
Bend radius		95mm	135mm	210mm	320mm	420mm	650mm
Working Temperature							
Material							
Material Softness							
Flammability							
Weight per meter		0.269Kg	0.310Kg	0.432Kg	0.684Kg	0.684Kg	1.476Kg
Coil Weight		8.00Kg	9.30Kg	12.96Kg	20.52Kg	20.52Kg	44.29
Packaging							
Applicable Standards							