



ENGLISH

## Datasheet

### PVC 25m Long transparent Flexible Tube, 225mm Bend Radius, Applications Various

RS Stock number 797-394

#### KEY FEATURES:

- | Excellent glass clear transparency for clear visibility.
- | Good flexibility for ease of use.
- | Resistant to a wide range of chemicals including many acids / alkalis.
- | Abrasion resistant. Thicker wall gives medium to heavy duty durability for improved resistance to abrasion.
- | Specially selected high tensile polyester fibres used at the optimum braid angle of 54° 44'(54.73°) creates an effective and balanced pressure hose.
- | EC compliant for food contact applications.
- | RoHS compliant.
- | Manufactured from cadmium and silicone-free materials, using a specialist PVC that can reduce the taint of drinking water.
- | Service temperature = -15°C to + 60°C.
- | Manufactured in accordance with ISO 5774.
- | 4:1 safety factor.



#### SIZES:

- | Available in 30m coils
- | 3mm-50mm ID
- | Custom sizes available on request

#### COLOURS:

- | Clear, Blue, Red (6mm – 12mm ID)
- | Black (6mm-25mm ID)
- | Custom sizes and colours available on request subject to minimum order quantity.

#### APPLICATION EXAMPLES:

- | 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.



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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     |           |               |                |                |               |               |               |