

Polyurethane Tube

CPU series



Codeflex

General Description

Codeflex Polyurethane tube is suitable for a wide range of applications demanding a flexible and cut resistant tube in applications such as pneumatic control systems and chemical transfer tubing. Codeflex Polyurethane is well suited to applications demanding maximum kink resistance, minimum kink memory. It is suitable for fitting into confined spaces where conventional tubes lacking the above factors would increase fitting time in addition to flow restriction.

Applications

Pneumatic Control Systems, Fuel and Lubrication Lines and Chemical Transfer Tubing.

Special Note: Fittings

The CPU series has been designed and developed to meet the exacting standards of the push fit type of coupling.

Technical Data

UK and European Sizes

Product Ref	Size I.D.	Size O.D.	Weight per coil kgs	Working Pressure PSI	Burst Pressure PSI	Min Bend mm
CPU 4/2.5	4	2.5	0.25	172	690	25
CPU 5/3*	5	3	0.44	183	735	30
CPU 6/4	6	4	0.55	150	602	40
CPU 8/5	8	5	1.16	145	580	50
CPU 8/5.5*	8	5.5	0.94	136	543	55
CPU 8/6*	8	6	0.78	124	499	60
CPU 10/6.5*	10	6.5	1.61	115	450	65
CPU 10/7.5	10	7.5	1.22	110	441	75
CPU 12/8*	12	8	2.24	105	420	80
CPU 12/9	12	9	1.76	95	380	90

Available ex stock in 30m coils

* These sizes are no longer deemed as stock and are generally available against minimum manufacturing runs

Colours: Blue, Black, Red, Translucent, Yellow & Green.

Special Requirements: Coil length, colour, printing, sizing - please contact our Technical Department.

Manufacturing Tolerances:

CPU 4mm to 8mm OD +/-0.1mm ID +/-0.125mm

CPU 10mm to 12mm OD +/-0.15mm ID +/-0.2mm

Working Pressure:

Nominal Working Pressure calculated at 23°C with a 4.1 safety factor.

Temperature Range

-50°C / +55°C (Short term use at 85°C)

Abrasive

Special Features

- Abrasion resistance - exceptional
- Resistance to a wide range of chemicals
(see Chemical Resistance Table)
- High flexibility
- Silicone free

Water

Chemicals

Gas

Fuel/Oil