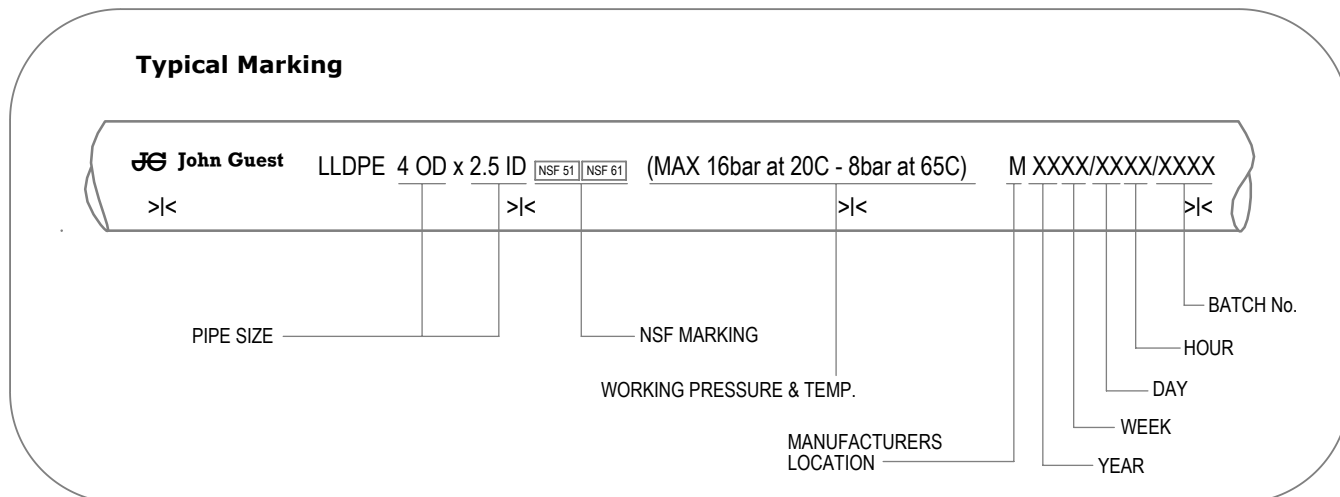


Linear Low Density Polyethylene Tubing

The John Guest PE Range of plastic tubing is produced in Linear Low Density Polyethylene for cold and intermittent hot water applications.

John Guest Polyethylene tubing is designed for use with John Guest Super Speedfit push-in fittings, John Guest Shut Off valves and virtually all standard tubing connectors.

Typical Marking

Warning

When using cleaning agents or other potentially aggressive liquids, please ensure compatibility with tubing and fittings.

LLDPE is not recommended for mineral oils, gases and fuels or high pressure compressed air / pneumatic systems.

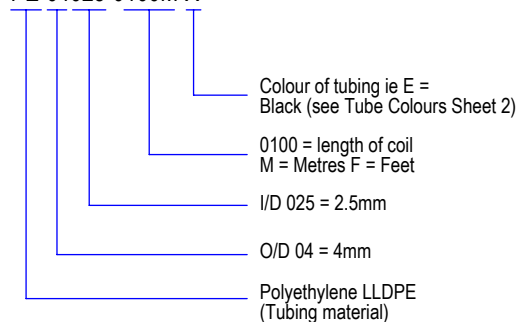
If the tube is to be used in a warm water system a tube support may be necessary. (See catalogue for details).

Please note maximum pressure rating for a 'system' depends on the lowest rated component, eg. most John Guest fittings have a different rating from the tube ratings shown on the next page.

Part Number	OD	ID	Coil Length	Min. Bend Radius
PE-08-BI-1000F-N	1/4" (0.250")	0.170"	1000 FT	1.00"
PE-08-BI-0500F-N	1/4" (0.250")	0.170"	500 FT	1.00"
PE-10-CI-0500F-N	5/16" (0.312")	0.187"	500 FT	1.13"
PE-12-EI-0500F-N	3/8" (0.375")	0.250"	500 FT	1.25"
PE-16-GI-0250F-N	1/2" (0.500")	0.375"	250 FT	2.50"
PE-04025-0100M-N	4mm	2.5mm	100m	25mm
PE-0604-0100M-N	6mm	4mm	100m	25mm
PE-0806-100M-N	8mm	6mm	100m	30mm
PE-1007-100M-N	10mm	7mm	100m	32mm
PE-1209-100M-N	12mm	9mm	100m	63mm
PE-15115-0100M-N	15mm	11.5mm	100m	100mm

Tubing Part Numbering Example

PE-04025-0100M-X


Technical Information
Working Pressures & Temperatures

See Sheet 2

Applications

Intermittent Hot & Cold Water	✓
Pneumatics (Max Pressure 10bar at 20 °C)	✓
Drinks Dispense	✓

Working Temperature and Pressures

Tube O/D	Tube I/D	
1/4" 5/16" 3/8" 4mm 6mm 10mm	0.170" 0.187" 0.25" 2.5mm 4mm 7mm	230 psi @ 70°F 16 bar @ 20°C
		120 psi @ 150°F 8 bar @ 65°C
1/2" 8mm 12mm 15mm	0.375" 6mm 9mm 11.5mm	150 psi @ 70°F 10 bar @ 20°C
		90 psi @ 150°F 6 bar @ 65°C

1 bar = 14.5 psi (approx.)

Maximum working temperature 150°F (65°C) at pressures shown in chart above.

The tubing is suitable for pneumatic applications, maximum pressure 10 bar @ 20°C

Burst pressures are approximately 3 times the maximum working pressure @ 20°C.

Tube Tolerances

1/4" to 1/2"	+0.001/-0.004"
4mm	+0.05/-0.07mm
6mm to 12mm	+0.05/-0.10mm
15mm	+0.10/-0.10mm

Tube Colours

Standard	
N	Natural
E	Black
B	Blue
R	Red
W	White

Available On Request	
O	Orange
G	Green
V	Violet
Y	Yellow

Chemical Resistance

For use of LLDPE with chemicals or potentially aggressive liquids, please refer to our Technical Service Department.

NOTE-When using cleaning agents or other potentially aggressive liquids, please ensure compatibility with tubing and fittings.
LLDPE is not recommended for mineral oils, gases and fuels or high pressure compressed air / pneumatic systems.