



# Speedfit® Air Products



*Celebrating 50 Years of Innovation*



**COMPRESSED AIR SYSTEMS  
PNEUMATIC FITTINGS  
LLDPE TUBE  
JUNE 2011**

## LLDPE TUBING

John Guest Linear Low Density Polyethylene Tubing is suitable for a wide range of temperature and pressures, has a broad chemical compatibility and is made from non contaminating materials.

The tubing is suitable for pneumatics applications maximum pressure 10 Bar @ 20°C. At elevated temperatures, (50°C), mineral oil used in some systems will degrade LLDPE tube and therefore, LLDPE tube used in pneumatic circuits should be periodically checked and replaced if necessary.

### Minimum Order Quantities

Popular items highlighted in red are generally in stock and available in minimum order quantities of 2 coils. Other items may be subject to a longer lead time and are available in minimum order quantities of 50 coils.

### 4MM OD x 2.5MM ID - 100M COILS

PART NO.	COLOUR
PE-04025-0100M-N	Natural
PE-04025-0100M-B	Blue
PE-04025-0100M-R	Red
PE-04025-0100M-E	Black
PE-04025-0100M-W	White
PE-04025-0100M-G	Green
PE-04025-0100M-Y	Yellow
PE-04025-0100M-O	Orange
PE-04025-0100M-V	Violet

### 6MM OD x 4MM ID - 100M COILS

PART NO.	COLOUR
PE-0604-0100M-N	Natural
PE-0604-0100M-B	Blue
PE-0604-0100M-R	Red
PE-0604-0100M-E	Black
PE-0604-0100M-W	White
PE-0604-0100M-Y	Yellow
PE-0604-0100M-G	Green
PE-0604-0100M-O	Orange
PE-0604-0100M-V	Violet

### 8MM OD x 6MM ID - 100M COILS

PART NO.	COLOUR
PE-0806-0100M-N	Natural
PE-0806-0100M-B	Blue
PE-0806-0100M-E	Black
PE-0806-0100M-W	White
PE-0806-0100M-R	Red
PE-0806-0100M-Y	Yellow
PE-0806-0100M-G	Green
PE-0806-0100M-O	Orange
PE-0806-0100M-V	Violet

### 10MM OD x 7MM ID - 100M COILS

PART NO.	COLOUR
PE-1007-0100M-N	Natural
PE-1007-0100M-B	Blue
PE-1007-0100M-R	Red
PE-1007-0100M-E	Black
PE-1007-0100M-W	White
PE-1007-0100M-G	Green
PE-1007-0100M-Y	Yellow
PE-1007-0100M-O	Orange
PE-1007-0100M-V	Violet

### 12MM OD x 9MM ID - 100M COILS

PART NO.	COLOUR
PE-1209-0100M-N	Natural
PE-1209-0100M-B	Blue
PE-1209-0100M-R	Red
PE-1209-0100M-E	Black
PE-1209-0100M-Y	Yellow
PE-1209-0100M-W	White
PE-1209-0100M-G	Green
PE-1209-0100M-O	Orange
PE-1209-0100M-V	Violet

### 15MM OD x 11.5MM ID - 100M COILS

PART NO.	COLOUR
PE-15115-0100M-B	Blue
PE-15115-0100M-R	Red
PE-15115-0100M-G	Green

Inch size tube is also available.  
See separate catalogue.

# TECHNICAL SPECIFICATION -

## Working Temperature Range (Air)

Minimum Working Temperature = -20°C

Maximum Working Temperature = +70°C

Also suitable for vacuum.

## Working Pressure

**Super Speedfit** fittings are suitable for the following pressure.

Temperature	Size	
	4mm- 8mm 5/32" - 5/16"	10mm - 12mm 3/8" - 1/2"
- 20°C	16 Bar	10 Bar
+23°C	16 Bar	10 Bar
+70°C	10 Bar	7 Bar

The above ratings are for air when **Super Speedfit** fittings are used with John Guest Nylon Tube. For use with other fluids or other tube or at other temperatures and pressures, please consult our Customer Services Department.

## Tube Types

### Plastic Tube

Polyethylene, Nylon and Polyurethane conforming to the tolerances shown below. For soft tubing or thin wall tube we recommend the use of tube inserts.

**The recommended minimum ID of Nylon tubes is shown in the table below.**

### Braided Tube

Use of Tube to Hose Stems and Elbows is essential when using braided tube. Use of clamps to retain braided tube on barbs is recommended.

### Metal Tube (soft)

Brass, copper or mild steel conforming to the tolerances below.

### Metal Tube (hard)

We do not recommend Super Speedfit Fittings for hard metal tubes.

**It is essential that outside diameters be free from score marks and that the tube be deburred before inserting into the fitting.**

## Tube Tolerances

**Super Speedfit** fittings are offered for Nylon tube with the following dimensions:-

<b>Size</b> (Inches)	5/32 - 3/16	1/4 - 1/2
<b>Tolerance</b> (Inches)	+0.001 / -0.003	+0.001 / -0.004
<b>Size</b> (mm)	4mm- 5mm	6mm - 22mm
<b>Tolerance</b> (mm)	+0.05 / -0.07	+0.05 / -0.10