



















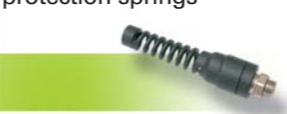



## Nylon tubing


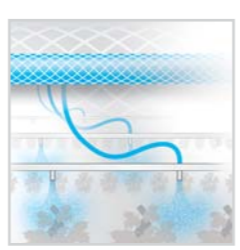


advantages	applications	connections
<b>semi-rigid</b> - large range of working temperatures and pressures - good chemical resistance - 7 colours - 3 mm to 16 mm tube o.d. 	- pneumatic systems 	LF3000*, LF3600, LF3800 <b>push-in fittings</b>  brass and stainless steel- <b>compression fittings*</b>  adaptors 
<b>multitube semi-rigid/PVC sheath</b> - small bend radius - 6 colours, 2 to 12 tubes 	- pneumatic circuits submitted to external aggression 	multi-connector 
<b>rigid</b> - 1 colour - close tolerance, 4 mm to 10 mm tube o.d. 	- centralised lubrication circuits 	<b>push-in fittings</b> for centralised lubrication 

\* ferrules are necessary




## Recoil tubing

advantages	applications	connections
<b>nylon with 1/4" BSP taper fitting</b> - the coil will continue to contract after multiple use - fitted with protection springs - 2 colours - 6 mm and 8 mm o.d. 	- pneumatic equipment 	C 9000 and metal <b>quick acting couplers</b>  <b>Blowguns</b> 
<b>polyurethane with 1/4" BSP taper fitting</b> - the coil will continue to contract after multiple use - high flexibility - fitted with protection springs - 3 colours - 4 mm to 12 mm o.d. 		C 9000 and metal <b>quick acting couplers</b>  <b>Blowguns</b> 
<b>polyurethane without connectors</b> - suited to reduced spaces - 1 colour - 8 mm to 12 mm tube o.d. 		push-in fittings with protection springs  C 9000 <b>quick acting couplers</b> 




## Braided PVC hose

advantages	applications	connections
 <ul style="list-style-type: none"> <li>- translucent for visual checking of fluid</li> <li>- food quality</li> <li>- 8 mm to 26 mm tube o.d.</li> </ul>	- suitable for use with food and industrial fluids 	adaptors  C 9000 and metal <b>quick acting couplers</b> 
in 25 m rolls: <b>1025V</b> in 50 m rolls: <b>1050V</b>		

## Self-fastening hose

advantages	applications	connections
 <ul style="list-style-type: none"> <li>- excellent resistance to hydrocarbons, UV, welding sparks and abrasion</li> <li>- simplicity of installation</li> <li>- 4 colours, DN 6 to 20</li> </ul>	- automotive process equipment - cooling circuits - pneumatic installations 	<b>quick-acting barbed fittings</b> 0132, 0133 and 0134 
in 20 m rolls: <b>1020H</b> in 40 m rolls: <b>1040H</b> in 80 m rolls: <b>1080H</b> in 100 m rolls: <b>1100H</b>		

## packaging - Legris tubes and hoses





 <p><b>Tubepack</b>, for easy storage            - for nylon, polyurethane, FEP 140 and polyethylene tubing</p>	 <p><b>Drum, 100 m long</b>, for easy handling            - for polyurethane tubing</p>	 <p><b>Drum, up to 1 000 m long</b>, for optimized handling            - for nylon, polyurethane and FEP 140 tubing</p>
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## Polyurethane tubing

advantages	applications	connections
<ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- high flexibility</li> </ul>	- pneumatic systems 	LF3000*, LF3600, LF3800 <b>push-in fittings*</b>  brass and stainless steel <b>compression fittings*</b>  adaptors 
<b>polyester</b> <ul style="list-style-type: none"> <li>- good chemical resistance</li> <li>- good ageing</li> <li>- 6 colours</li> <li>- close tolerance, 3 mm to 14 mm tube o.d.</li> </ul> 		
<b>polyether</b> <ul style="list-style-type: none"> <li>- good resistance to humidity and bacteriological aggression</li> <li>- 3 colours</li> <li>- close tolerance, 4 mm to 14 mm tube o.d.</li> </ul> 		
<b>twin tubing</b> <ul style="list-style-type: none"> <li>- compact cabling</li> <li>- single or two-coloured (black/blue)</li> <li>- 4 mm to 8 mm tube o.d.</li> </ul> 		
<b>anti-static</b> <ul style="list-style-type: none"> <li>- prevents accumulation of electrostatic charges</li> <li>- close tolerance, 3 mm to 12 mm tube o.d.</li> </ul> 	- electronic environments 	
in 25 m rolls: <b>1025U</b> in 100 m rolls: <b>1100U</b>		
in 25 m rolls: <b>1025U...R</b> in 100 m rolls: <b>1100U...R</b>		
in 25 m rolls: <b>1420U</b>		
in 100 m rolls: <b>1100U...A</b>		




\* ferrules are necessary

## Fluoropolymer FEP 140 tube








advantages	applications	connections
 <ul style="list-style-type: none"> <li>- excellent resistance to chemicals and high temperature</li> <li>- food quality</li> <li>- close tolerance, 4 mm to 12 mm tube o.d.</li> </ul>	- food and industrial applications 	LF3600, LF3800 <b>push-in fittings*</b>  stainless steel <b>compression fittings*</b> 
in 5 m rolls: <b>1005T</b> in 25 m rolls: <b>1025T</b>		

\* ferrules are necessary

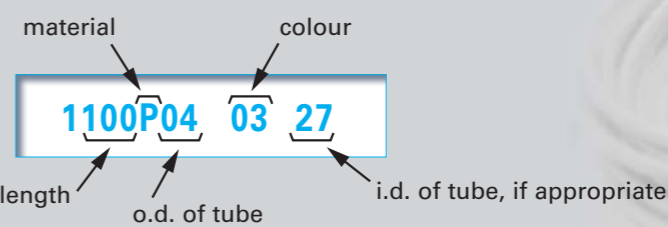
## Polyethylene

advantages	applications	connections
 <ul style="list-style-type: none"> <li>- resistance to chemicals</li> <li>- food quality</li> <li>- economical solution</li> <li>- close tolerance, from 1/8" to 1/2" and 4 mm to 14 mm tube o.d.</li> </ul>	- food and industrial applications 	LF3600 <b>push-in fittings</b> 
in 5 m rolls: <b>1025Y</b> in 25 m rolls: <b>1100Y</b>		

## Anti-spark tubing

advantages	applications	connections
<ul style="list-style-type: none"> <li>- conforms to UL94 VO standard</li> <li>- excellent resistance to spark projections</li> </ul>	- installations submitted to aggressive environments and spark projections 	
<b>anti-spark nylon tubing</b> <ul style="list-style-type: none"> <li>- resistant to high pressure</li> <li>- from 6 mm to 12 mm tube o.d.</li> </ul> 		LF6000 <b>push-in fittings</b> 
in 25 m rolls: <b>1025P...V</b> in 100 m rolls: <b>1100P...V</b>		
<b>anti-spark polyurethane tubing</b> <ul style="list-style-type: none"> <li>- resistant to high pressure</li> <li>- from 6 mm to 12 mm tube o.d.</li> </ul> 		LF6000 <b>push-in fittings</b> 
in 25 m rolls: <b>1025U...V</b> in 100 m rolls: <b>1100U...V</b>		
<b>anti-spark single layer polyurethane tubing</b> <ul style="list-style-type: none"> <li>- excellent humidity resistance</li> <li>- from 4 mm to 12 mm tube o.d.</li> </ul> 		LF3600 <b>push-in fittings</b> 
in 25 m rolls: <b>1025U...K</b> in 100 m rolls: <b>1100U...K</b>		


## Product codes of Legris tubes and hoses

 <p>material: 1100P04            colour: 03            length: 27            o.d. of tube: 03            i.d. of tube, if appropriate: 27</p>	<p>tube o.d.: corresponds to the outside diameter of the tube            tube i.d.: 27 = 2,7 mm</p>	<p>material code:            P= nylon            T= FEP 140            U= polyurethane            V= PVC            Y= polyethylene</p>									
<p>colour code:</p> <table border="0"> <tr> <td>00 = </td> <td>03 = </td> <td>06 = </td> </tr> <tr> <td>01 = </td> <td>04 = </td> <td>07 = </td> </tr> <tr> <td>02 = </td> <td>05 = </td> <td>08 = </td> </tr> </table>	00 =	03 =	06 =	01 =	04 =	07 =	02 =	05 =	08 =		
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# Technical Tubes and Hoses


## Close tolerance semi-rigid nylon tubing

### 1025P-1100P close tolerance semi-rigid nylon tubing, 25 m and 100 m rolls

Length (m)	o.d. tube mm	i.d. tube mm	minimum bend radius for tube at ambient temp. in mm			
				1025P04 00 27	1025P04 01 27	1025P04 04 27
25	4	2,7	30	1025P04 00 27	1025P04 01 27	1025P04 04 27
25	6	4	35	1025P06 00	1025P06 01	1025P06 04
25	8	6	55	1025P08 00	1025P08 01	1025P08 04
25	10	7,5	75	1025P10 00 75	1025P10 01 75	1025P10 04 75
25	12	9	75	1025P12 00 09	1025P12 01 09	1025P12 04 09
25	14	11	100	1025P14 00 11	1025P14 01 11	1025P14 04 11
100	4	2,7	30	1100P04 00 27	1100P04 01 27	1100P04 04 27
100	6	4	35	1100P06 00	1100P06 01	1100P06 04
100	8	6	55	1100P08 00	1100P08 01	1100P08 04
100	10	7,5	75	1100P10 00 75	1100P10 01 75	1100P10 04 75


## Close tolerance flexible polyurethane tubing

### 1025U-1100U Close tolerance flexible polyurethane tubing, 25 m and 100 m rolls

Length (m)	o.d. tube mm	i.d. tube mm	minimum bend radius for tube at ambient temp. in mm				
			polyester	polyether	polyester	polyester	polyether
			1025U04 01	1025U04 04	1025U04 R08		
25	4	2,5	10	10	1025U04 01	1025U04 04	1025U04R08
25	6	4	15	20	1025U06 01	1025U06 04	1025U06R08
25	8	5,5	20	25	1025U08 01	1025U08 04	1025U08R08
25	10	7	25	35	1025U10 01	1025U10 04	1025U10R08
25	12	8	35	40	1025U12 01	1025U12 04	1025U12R08
25	14	9,5	45	50	1025U14 01 95	1025U14 04 95	1025U14R08 95
100	4	2,5	10	10	1100U04 01	1100U04 04	1100U04R08
100	6	4	15	20	1100U06 01	1100U06 04	1100U06R08
100	8	5,5	20	25	1100U08 01	1100U08 04	1100U08R08


## Close tolerance fluoropolymer FEP tube


### 1005T - 1025T

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at ambient temp. in mm		
			in 5 m rolls white	in 25 m rolls white
4	2,5	40	1005T04 00 25	1025T04 00 25
6	4	50	1005T06 00	1025T06 00
8	6	70	1005T08 00	1025T08 00
10	8	120	1005T10 00	1025T10 00
12	10	180	1005T12 00	1025T12 00

## Polyethylene tubing

### 1100Y Polyethylene tubing, 100 m rolls

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at 20° C (in mm)		
			in 100 m rolls	
4	2	25	1100Y04 00	
6	4	35	1100Y06 00	
8	6	55	1100Y08 00	
10	8	80	1100Y10 00	
12	9	65	1100Y12 00	
14	11	80	1100Y14 00	

 = suitable for food applications

# technical tubes and hoses

## application table for Legris nylon and polyurethane tubing

- 1** recommended
- 2** satisfactory
- 3** inappropriate

### NYLON TUBING

	at 20° C		at 20° C
Acetaldehyde	1	Kerosene	1
Acetone	1	Methane	1
Acetylene	1	Methyl Acetate	1
Benzene	1	Methyl Alcohol (pure)	1
Bleach	2	Methyl Bromide	1
Bromine	3	Methyl Chloride	1
Butane	1	Methyl Ethyl Ketone	1
Butyl Acetate	1	Methyl Isobutyl Ketone	1
Butylic Alcohol	1	Oxygen	1
Calcium Chloride	1	Ozone	2
Carbon Tetrachloride	3	Perchlorate Ethylene	2
Chloride	3	Phenols	3
Chromic Acid 10%	3	Phosphoric Acid 50 %	1
Citric Acid	1	Potash 50 %	1
Concentrated Ammonia	1	Potassium Nitrate	1
Copper Sulphate	1	Potassium Sulphate	1
Cutting Oils	1	Propane	1
Cyclohexane	1	Soda 50 %	1
Cyclohexanone	1	Sodium Carbonate	1
Diesel Oil	1	Sodium Chloride	1
Ethyl Acetate	1	Sulphuric Acid 10%	1
Ethyl Alcohol (pure)	1	Sulphurous Anhydride	2
Ethyleneoxide	1	Supergrade Petrol	1
Freon 12-22	1	Toluene	1
Formalin	1	Tributylphosphate	1
Gaseous Ammonia	1	Trichlorethane	1
Glucose	1	Trichlorethylene	2
Hydrochloric Acid 10 %	1	Water	1
Hydrogen	1	Xylem	1
Hydrogen Peroxide	1	Zinc Chloride	1





# Technical Tubes and Hoses

## Applications





The extensive compatibility of Legris fittings/technical tubes and hoses is ideally suited for **many industrial and food applications**. Legris' policy is to be able to offer its customers a **full range** of tubes and hoses, compatible with the different ranges of fittings featured in this product guide.

The overview below illustrates the **best choices** to obtain the **best performance** of the fitting/tube connection.

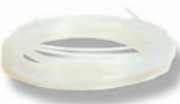


## 1025P-1100P Nylon Tubing

	connections	applications
<b>semi-rigid</b> 	LF 3000®, LF 3600, LF 3800 <b>instant fittings</b> 	pneumatic systems 
	<b>adaptors</b> 	
<b>benefits :</b> <ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- good chemical resistance</li> <li>- 7 colours for easy identification of circuits</li> <li>- close tolerance, 3 mm to 16 mm</li> </ul>		

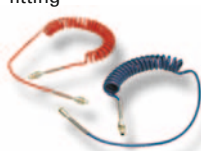



## 1025U-1100U Polyurethane Tubing

	connections	applications
<b>polyester</b> 	LF 3000®, LF 3600, LF 3800 <b>instant fittings</b> 	pneumatic systems 
	<b>adaptors</b> 	
<b>benefits :</b> <ul style="list-style-type: none"> <li>- large range of working temperatures and pressures</li> <li>- high flexibility</li> <li>- good chemical resistance</li> <li>- 7 colours for easy identification of circuits</li> <li>- close tolerance, 4 mm to 14 mm</li> </ul>		




## 1005T-1025T Fluoropolymer FEP Tube

	connections	applications
	LF 3600, LF 3800 <b>instant fittings</b> 	food industry and aggressive environment 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- excellent resistance to chemicals and high temperature</li> <li>- FDA food quality</li> <li>- close tolerance, 4 mm to 12 mm</li> </ul>		




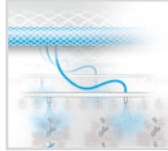
## 1470U-1471U-1472U Recoil Tubing

	connections	applications
<b>polyurethane</b> with integral 1/4" BSP taper fitting 	C 9000 and metal <b>quick acting couplers</b>   <b>Blowguns</b> 	pneumatic equipment 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- the coil will continue to contract after multiple use</li> <li>- high flexibility</li> <li>- good chemical resistance</li> <li>- 3 colours</li> <li>- 4 mm to 12 mm o.d.</li> </ul>		

## 1100Y Polyethylene Tubing

	connections	applications
	LF 3600 <b>instant fittings</b> 	food and industrial applications 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- good resistance to aggressive and corrosive agents</li> <li>- FDA food quality</li> <li>- 4 mm to 14 mm o.d.</li> </ul>		

## 1025V Braided PVC Hose

	connections	applications
	<b>adaptors</b>   C 9000 and metal <b>quick acting couplers</b> 	suitable for use with food and industrial fluids 
<b>benefits :</b> <ul style="list-style-type: none"> <li>- translucent for visual checking of fluid</li> <li>- FDA food quality</li> <li>- 8 mm to 26 mm o.d.</li> </ul>		