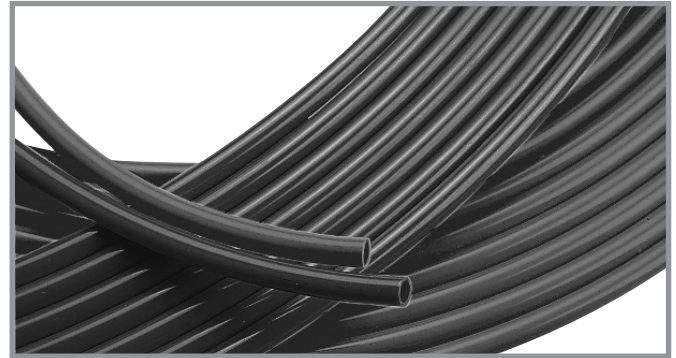


- > Ø 6 ... 12 mm
- > Fire and smoke resistant nylon tubing designed for applications on railway vehicles
- > Tube tested and conforming to the following standards; **DIN 54 837: 2007-12**  
**DIN EN ISO 5659-2: 2007**  
**DIN 5510: 2007-10** (see details below).
- > Smoke toxicity test to **DIN5110-2:2009-05**
- > Additionally tested and conforming to; **NF X 70-100 : 2006**  
**NF X - 10-702 : 1995** (see details below)
- > Dimensionally compatible with **DIN 74324**
- > Suitable for use with **Norgren Fleetfit vehicle fittings**



### Technical features

#### Medium:

Compressed air

#### Dimensional standard:

Conforming to DIN 74324

#### Operating pressure:

See below

#### Standard length:

50 m

#### Ambient/Media temperature:

-60 ... +100°C max.

(-76 ... +212°F max.)

Note: pressure/temperature

conversations factor see below

#### Materials:

Vestamide Nylon PA12

### Technical data

Colour	Coil length (m)	Outer Ø *1) (mm)	Wall thickness *2) (mm)	Inner Ø (mm)	Operating pressure at 20°C max.* (bar)	Burst pressure at 20°C (bar)	Min. bend radius (mm)	Weight approx. (kg/100 m)	Model
Grey	50	6	1	4	26	78	60	1,7	LPA2-0606050
Grey	50	8	1	6	19	57	80	2,3	LPA2-0608050
Grey	50	8	1,5 (*3)	5	30	90	80	3,3	LPA3-0608050
Grey	50	10	1	8	14	42	110	3,0	LPA2-0610050
Grey	50	12	1,5	9	19	57	110	5,2	LPA2-0612050

\* Multiply by factors in the below table for use at higher temperatures

\*1) Tolerance outside Ø +0,05/-0,1 mm

\*2) Wall thickness tolerance ±0,08 mm

\*3) Tube size does not conform to DIN 74324

### Pressure/temperature conversation factors

Working temperature	Factor
-60 ... +20°C	1
-60 ... +30°C	0,83
-60 ... +40°C	0,72
-60 ... +50°C	0,64
-60 ... +60°C	0,57
-60 ... +70°C	0,52
-60 ... +80°C	0,47
-60 ... +90°C	0,44
-60 ... +100°C	0,36

### Testing results DIN 5510-2

<b>Flamability Class</b>	S 4
<b>Smoke Development Class</b>	SR 2
<b>Dripping Class</b>	ST 2
<b>Toxicity</b>	(Request test report)

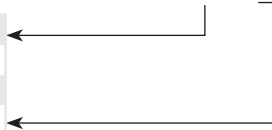
### Additional testing

<b>Test standard</b>	NF X 70 – 100 : 2006 Fire tests - Analysis of gaseous effluents - Part 2: Tubular furnace thermal degradation method NF X 10 – 702 : 1995 Fire test methods - Determination of the opacity of the fumes in an atmosphere without air renewal
<b>Classification standard</b>	NF F 16 – 101 : 1988 Rolling stock - Fire behaviour - Materials choosing
<b>Test result</b>	The requirements of Class F 2 were fulfilled

### Option selector

<b>Tube size to DIN 74324</b>	<b>Substitute</b>
Conforming	2
Non conforming	3
<b>Tube size</b>	<b>Substitute</b>
6	06
8	08
10	10
12	12

LPA★-06★★050



## Accessories

Tube clips – single sided			Tube cutter		Fittings
Model	Tube Ø	Number of tubes	Model	Description	
34021804	6	1	M/3314	Cutter	For fittings conforming to DIN 74324 see the Fleetfit range on page N/en 9.1.065
34021904	6	2	39012010	Replacement blade (pack of 10)	
34021805	8	1	39012061	Replacement blade (1-off)	
34021905	8	2			
34021806	10	1			
34021906	10	2			
34021807	12	1			
34021907	12	2			
34021508	16	1			

## Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.