

- > O/D 4 ... 16 mm
- > Available in a range of colours for ease of identification
- > In addition to general industrial applications PA is suitable for use on air braking systems of commercial vehicles and conforms to DIN 74324. (Applicable sizes; 6, 8, 10, 12, 16mm O/D)
- > 25 metre lengths supplied in cartons providing good protection and easy storage



### Technical features

**Medium:**

Compressed air.  
Consult our Technical Service for use with other fluids

**Operating pressure:**

Refer to specific tubing type on the following pages

**Ambient/Media temperature:**

Refer to specific tubing type on the following pages

**Materials:**

PA type 12 fully plasticised and light stabilised. Metric tube meet the requirements of DIN 74324

### Technical data

| Colour  | Length (m) | O/D I/D tube 4/2,5* | 5/3*         | 6/4          | 8/6          | 10/7,5       | 12/9         | 14/11*       | 16/12        |
|---------|------------|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Natural | 25         | PA2-0004025C        | PA2-0005025C | PA2-0006025C | PA2-0008025C | PA2-0010025C | PA2-0012025C | PA2-0014025C | PA2-0016025C |
| Natural | 100        | PA2-0004100         | —            | PA2-0006100  | PA2-0008100  | PA2-0010100  | PA2-0012100  | —            | —            |
| Red     | 25         | PA2-0104025C        | PA2-0105025C | PA2-0106025C | PA2-0108025C | PA2-0110025C | PA2-0112025C | PA2-0114025C | PA2-0116025C |
| Red     | 100        | PA2-0104100         | —            | PA2-0106100  | PA2-0108100  | PA2-0110100  | PA2-0112100  | —            | —            |
| Green   | 25         | PA2-0204025C        | PA2-0205025C | PA2-0206025C | PA2-0208025C | PA2-0210025C | PA2-0212025C | PA2-0214025C | PA2-0216025C |
| Green   | 100        | PA2-0204100         | —            | PA2-0206100  | PA2-0208100  | PA2-0210100  | PA2-0212100  | —            | —            |
| Yellow  | 25         | PA2-0304025C        | PA2-0305025C | PA2-0306025C | PA2-0308025C | PA2-0310025C | PA2-0312025C | PA2-0314025C | PA2-0316025C |
| Yellow  | 100        | PA2-0304100         | —            | PA2-0306100  | PA2-0308100  | PA2-0310100  | PA2-0312100  | —            | —            |
| Blue    | 25         | PA2-0504025C        | PA2-0505025C | PA2-0506025C | PA2-0508025C | PA2-0510025C | PA2-0512025C | PA2-0514025C | PA2-0516025C |
| Blue    | 100        | PA2-0504100         | —            | PA2-0506100  | PA2-0508100  | PA2-0510100  | PA2-0512100  | —            | —            |
| Black   | 25         | PA2-0704025C        | PA2-0705025C | PA2-0706025C | PA2-0708025C | PA2-0710025C | PA2-0712025C | PA2-0714025C | PA2-0716025C |
| Black   | 100        | PA2-0704100         | —            | PA2-0706100  | PA2-0708100  | PA2-0710100  | PA2-0712100  | —            | —            |
| Silver  | 25         | PA2-0904025C        | PA2-0905025C | PA2-0906025C | PA2-0908025C | PA2-0910025C | PA2-0912025C | PA2-0914025C | PA2-0916025C |
| Silver  | 100        | PA2-0904100         | —            | PA2-0906100  | PA2-0908100  | PA2-0910100  | PA2-0912100  | —            | —            |

\* Tube size does not conform to DIN 74324

Note: 'C' at the last digit in part number indicates packed in a box/carton

### Option selector

PA2-0\*\*\*\*\*

| Colour  | Substitute |
|---------|------------|
| Natural | 0          |
| Red     | 1          |
| Green   | 2          |
| Yellow  | 3          |
| Blue    | 5          |
| Black   | 7          |
| Silver  | 9          |

| Packaging         | Substitute |
|-------------------|------------|
| 25 m Carton/Box   | C          |
| 100 m Plastic bag | None       |
| Length (m)*       | Substitute |
| 25                | 025        |
| 100               | 100        |
| Outer diameter    | Substitute |
| 4                 | 04         |
| 5                 | 05         |
| 6                 | 06         |
| 8                 | 08         |
| 10                | 10         |
| 12                | 12         |
| 14                | 14         |
| 16                | 16         |

### Maximum operating pressures and bend radii

|                                       | Ø 4 | Ø 5 | Ø 6 | Ø 8 | Ø 10 | Ø 12 | Ø 14 | Ø 16 |
|---------------------------------------|-----|-----|-----|-----|------|------|------|------|
| Max. pressure (bar)* at -40 ... +20°C | 31  | 33  | 27  | 19  | 19   | 19   | 16   | 19   |
| Min. bend radius                      | 25  | 25  | 30  | 40  | 60   | 60   | 80   | 95   |

Maximum continuous working temperature: PA +80°C

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

### Operating pressure/temperature conversion factors

| Working temperature | Factor (PA) |
|---------------------|-------------|
| -40 ... +20°C       | 1,00        |
| +30°C               | 0,83        |
| +40°C               | 0,75        |
| +50°C               | 0,64        |
| +60°C               | 0,57        |
| +80°C               | 0,47        |

To calculate working pressures at various temperatures, multiply working pressure at -40 ... +20°C by factor given in table

Maximum continuous working temperature: +80°C

### Accessories

| Tubing channels |        |                 | Tube clips – single sided |        |                 | Tube cutter |                                |
|-----------------|--------|-----------------|---------------------------|--------|-----------------|-------------|--------------------------------|
| Model           | Tube Ø | No. of channels | Model                     | Tube Ø | Number of tubes | Model       | Description                    |
| 100HA0600       | 6      | 10              | 34021804                  | 6      | 1               | M/3314      | Cutter                         |
| 100HA0800       | 8      | 10              | 34021904                  | 6      | 2               | 39012010    | Replacement blade (pack of 10) |
| 100H61200       | 12     | 6               | 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 NORGREN.

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.