

# Pneumatic hose | CFAIR



- For maximum mechanical load requirements
- PUR hose
- Oil-resistant and coolant-resistant
- Abrasion-resistant
- Outside-toleranced
- PVC-free/halogen-free

### Dynamic Information

|  |                    |                    |  |
|--|--------------------|--------------------|--|
|  | <b>Bend radius</b> | <b>flexible</b>    | min. 10 x d                                    |
|  |                    | <b>fixed</b>       | min. 7.5 x d                                   |
|  | <b>Temperature</b> | <b>flexible</b>    | -13 °F to +176 °F (-25 °C to +80 °C)           |
|  |                    | <b>fixed</b>       | -40 °F to +185 °F (-40 °C to +85 °C)           |
|  | <b>v max.</b>      | <b>unsupported</b> | 32.81 ft/s (10 m/s)                            |
|  |                    | <b>gliding</b>     | 19.69 ft/s (6 m/s)                             |
|  | <b>a max.</b>      |                    | 164.1 ft/s <sup>2</sup> (50 m/s <sup>2</sup> ) |

### Technical data

|  |                           |  |  |
|--|---------------------------|--|--|
|  | <b>Material</b>           | Abrasion-resistant on the basis of Polyurthane adapted to suit the requirements in E-Chains®.<br>Color: Blue |  |
|  | <b>Dimensions</b>         | Outside-toleranced   |  |
|  | <b>Operating pressure</b> | 174 psi at 68 °F (20 °C)   |  |
|  | <b>Vacuum</b>             | -14.5 psi at 68 °F (20 °C)   |  |

### Properties and approvals

|  |                       |   |
|--|-----------------------|---|
|  | <b>Oil resistance</b> | Oil resistant   |
|  | <b>Silicon-free</b>   | Free from substances that impair the wetting of paint (based on PV 3.10.07 – status 1992) |
|  | <b>Halogen-free</b>   | Following EN 50267-2-1  |
|  | <b>Lead free</b>      | Following 2011/65/EC (RoHS-II)  |

**Configurators** ▶ [www.igus.com/CAPU](http://www.igus.com/CAPU)

| Part No.    | Internal diameter approx. |      | Wall thickness approx. |      | Outer diameter max. |      | Weight  |       |
|-------------|---------------------------|------|------------------------|------|---------------------|------|---------|-------|
|             | in.                       | mm   | in.                    | mm   | in.                 | mm   | lbs/mft | kg/km |
| CAPU-A-04-0 | 0.11                      | 2.7  | 0.03                   | 0.65 | 0.16                | 4.0  | 5.4     | 8     |
| CAPU-A-06-0 | 0.16                      | 4.0  | 0.04                   | 1.00 | 0.24                | 6.0  | 12.8    | 19    |
| CAPU-A-08-0 | 0.22                      | 5.7  | 0.05                   | 1.15 | 0.31                | 8.0  | 20.1    | 30    |
| CAPU-A-10-0 | 0.28                      | 7.0  | 0.06                   | 1.50 | 0.39                | 10.0 | 32.2    | 48    |
| CAPU-A-12-0 | 0.31                      | 8.0  | 0.08                   | 2.00 | 0.47                | 12.0 | 51.0    | 76    |
| CAPU-A-16-0 | 0.43                      | 11.0 | 0.10                   | 2.50 | 0.63                | 16.0 | 85.2    | 127   |
| <hr/>       |                           |      |                        |      |                     |      |         |       |
| CAPU-I-02   | 0.16                      | 4.0  | 0.05                   | 1.15 | 0.25                | 6.4  | 15.0    | 22    |
| CAPU-I-03   | 0.19                      | 4.8  | 0.06                   | 1.50 | 0.31                | 8.0  | 26.0    | 39    |
| CAPU-I-04   | 0.25                      | 6.4  | 0.06                   | 1.50 | 0.38                | 9.7  | 32.0    | 48    |
| CAPU-I-06   | 0.31                      | 8.0  | 0.09                   | 2.29 | 0.50                | 12.7 | 45.0    | 67    |
| CAPU-I-08   | 0.41                      | 10.4 | 0.11                   | 2.7  | 0.63                | 16.0 | 58.0    | 86    |

**Order example: CAPU-A-04-0 – In your desired length**  
CAPU Chainflex® series -A Code Material -04 Code Ø -0 Special identification

Online order ▶ [www.chainflex.com/CAPU](http://www.chainflex.com/CAPU)

Delivery time 24hr or today.  
Delivery time means time until shipping of goods.



igus® Chainflex® CFAir pneumatic hoses were tested over several million bending cycles in E-Chains®. Their outstanding features include flexibility, high abrasion resistance and very good resistance to oil and coolants.