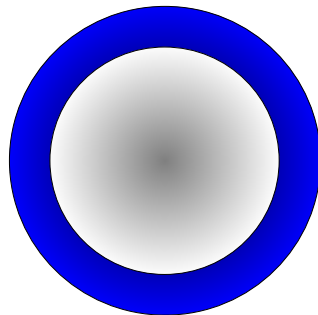


**CFAIR || PUR - e-chain<sup>®</sup> - pneumatic hose for maximum load requirements: abrasion-resistant, oil- and coolant-resistant as well as PVC- and halogen-free.**



### Hose design:

#### Material:

Low-adhesion mixture on the basis of polyurethane (PUR), abrasion-resistant and bending-stable, adapted to suit the requirements in e-chains<sup>®</sup>.

- oil-resistant (following DIN EN 50363-10-2)
- coolant-resistant
- PVC- and halogen-free (following DIN EN 50267-2-1)

#### Colour:

Blue

#### Hose marking (White):

igus chainflex Air CA PU.A.--.0<sup>①</sup> -x-x-<sup>②</sup> Pneumatik 12bar/20°C www.igus.de

- ①: Hose identification according to part no. (see [technical table](#) for details).  
Ex.: CA PU.A.04.0: ⇒ ...igus chainflex Air CAPU.A.04.0 2,7x0,65x4...
- ②: Printing of dimensions (inner diameter x wall thickness x external diameter).  
Ex.: CA PU.A.04.0: ⇒ ...CAPU.A.04.0 2,7x0,65x4 Pneumatik...

### General mechanical values:

(for individual details see [technical table](#))

Temperature range	-40 °C ← (-40 °F)	-25 °C ← (-13 °F)	-15 °C to +70 °C (+5 °F to +158 °F)	→ +80 °C (+176 °F)
Characteristics				
Minimum bending radius for e-chain <sup>®</sup> use	---	12,5 x d	10,0 x d	12,5 x d
Minimum bending radius for fixed installation	12,5 x d	10,0 x d	8,0 x d	10,0 x d
Torsion (at 1 m hose length)	---	---	---	---

The installation of the hose is recommended within the middle temperature range.

**Operating pressure:** 12 bar at 20 °C (see [technical diagrams](#))

**Allowable vacuum:** -1 bar at 20 °C

### Dynamic values:

**Max. speed in e-chain<sup>®</sup> use:\*\***

**Unsupported:** v = 10 m / s    **Gliding:** v = 6 m / s

**Max. acceleration in e-chain<sup>®</sup> use:\*\***

a = 50 m / s<sup>2</sup>

### Technical table:

#### Mechanical values:

① Part no.	② Dimensions			Max. package length [km]	Weight [kg / km]
	Internal diameter [approx. mm]	Wall thickness [approx. mm]	External diameter(d)* [approx. mm]		
CA PU.A.04.0	2,7	0,65	4	1,0	8
CA PU.A.06.0	4,0	1,00	6	0,5	19
CA PU.A.08.0	5,7	1,15	8	0,5	30
CA PU.A.10.0	7,0	1,50	10	0,3	48
CA PU.A.12.0	8,0	2,00	12	0,2	76
CA PU.A.16.0	11,0	2,50	16	0,1	127

\* External diameters are outside-toleranced.

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**Technical diagrams:**

