









- For heaviest duty applications
- PUR hose
- Oil-resistant and coolant-resistant
- Abrasion-resistant
- Outside-toleranced
- PVC and halogen-free






**Dynamic information**

 <b>Bend radius</b>	<b>flexible</b>	minimum 10 x d
	<b>fixed</b>	minimum 7.5 x d
 <b>Temperature</b>	<b>flexible</b>	-25°C up to +80°C
	<b>fixed</b>	-40°C up to +85°C
 <b>v max.</b>	<b>unsupported</b>	10m/s
	<b>gliding</b>	6m/s
 <b>a max.</b>		50m/s <sup>2</sup>

**Technical data**

 <b>Material</b>	Abrasion-resistant polyurethane adapted to suit the requirements in e-chains®. Colour: Blue	
 <b>Dimensions</b>	Outside-toleranced	
 <b>Operating pressure</b>	12 bar at 20°C	
 <b>Vacuum</b>	-1 bar at 20°C	

**Properties and approvals**

 <b>Oil resistance</b>	Oil-resistant	
 <b>Silicone-free</b>	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)	
 <b>Halogen-free</b>	Following DIN EN 60754	
 <b>Lead-free</b>	Following 2011/65/EC (RoHS-II)	
 <b>UKCA</b>	In accordance with the valid regulations of the United Kingdom (as at 08/2021)	

Part No.	Max. package length [km]	Inner diameter [mm]	Wall thickness [mm]	Outer diameter (d) max. [mm]	Weight [g/m]
CAPU.A.04.0	1.0	2.7	0.65	4.0	8
CAPU.A.06.0	0.5	4.0	1.00	6.0	19
CAPU.A.08.0	0.5	5.7	1.15	8.0	30
CAPU.A.10.0	0.3	7.0	1.5	10.0	48
CAPU.A.12.0	0.2	8.0	2.00	12.0	76
CAPU.A.16.0	0.1	11.0	2.50	16.0	127



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.



**Cables available in the chainflex® CASE**

Simple savings on delivery, storage space and re-ordering with the chainflex® CASE - ship'n store by igus®.

More on this on page 24/25 and online: [www.igus.eu/cf-case](http://www.igus.eu/cf-case)



Example image



- For heaviest duty applications
- PE hose
- Oil-resistant and coolant-resistant
- Highly abrasion-resistant
- Outside-toleranced
- PVC and halogen-free

**Dynamic information**

	<b>Bend radius</b>	<b>flexible</b>	minimum 10 x d
		<b>fixed</b>	minimum 7.5 x d
	<b>Temperature</b>	<b>flexible</b>	-25°C up to +60°C
		<b>fixed</b>	-30°C up to +65°C
	<b>v max.</b>	<b>unsupported</b>	10m/s
		<b>gliding</b>	6m/s
	<b>a max.</b>		50m/s <sup>2</sup>

**Technical data**

	<b>Material</b>	Highly abrasion-resistant polyethylene adapted to suit the requirements in e-chains®. Colour: White
	<b>Dimensions</b>	Outside-toleranced
	<b>Operating pressure</b>	10 bar at 20°C
	<b>Vacuum</b>	-0.95 bar at 20°C

**Properties and approvals**

	<b>Oil resistance</b>	Oil-resistant
	<b>Silicone-free</b>	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)
	<b>Halogen-free</b>	Following DIN EN 60754
	<b>Lead-free</b>	Following 2011/65/EC (RoHS-II)
	<b>Cleanroom</b>	According to ISO Class 1, material/hose tested by IPA according to DIN EN ISO standard 14644-1
	<b>UKCA</b>	In accordance with the valid regulations of the United Kingdom (as at 08/2021)

Example image

Part No.	Max. package length [km]	Inner diameter [mm]	Wall thickness [mm]	Outer diameter (d) max. [mm]	Weight [g/m]
CAPE.A.04.0	1.0	2.7	0.65	4.0	8
CAPE.A.06.0	0.5	4.0	1.00	6.0	15
CAPE.A.08.0	0.5	5.7	1.15	8.0	21
CAPE.A.10.0	0.3	7.0	1.5	10.0	38
CAPE.A.12.0	0.2	8.0	2.00	12.0	54
CAPE.A.16.0	0.1	11.0	2.50	16.0	90



igus® material abrasion test

Comparison: Abrasion of pneumatic hoses PUR, PE and PA in combination with igus® e-chain® (with crossbar 450.30)

