

FLEXIBLE TECHNIC TUBING



We offer standard 5 types of tubing:

- **COPU**, Co-Polyurethane
- **PA**, Polyamide
- **PU**, Polyurethane
- **PE**, Polyethylene
- **PVC**, Filclair N with polyester fibre
- **PRO**, Profilair with polyester fibre

Available on roll, box and drum.

Other types of tubing available on request (teflon/ptfe, duo-tubing, multi-tubing, atex-certificated...).



roll

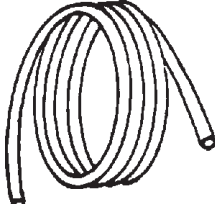


box



drum

COPU - CO-POLYURETHANE 55 SHORE D TUBE - c.star

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press.23°C	Burst Press.23°C
	COPU04025	4 mm	2.5 mm	10 mm	22 bar	approx. 3x the working pressure
COPU0604	6 mm	4 mm	15 mm	19 bar		
COPU0806	8 mm	6 mm	25 mm	16 bar		
COPU1008	10 mm	8 mm	35 mm	12 bar		
COPU1209	12 mm	9 mm	45 mm	13 bar		

This very innovative tube combines the best properties of Polyurethane and Polyamide in one product Co-Polyurethane.

- **High flexibility**
- **Excellent bending radius**
- **Tighter tolerances than PU**
- **Good hydrolysis resistance**
- **Good chemical resistance**
- **Excellent temperature resistance**

COPU is particularly suitable for pneumatic applications where tight bending radius for mounting in narrow cabins are requested together with pressure >12 bars and push-in fittings.

Temperature range: From -40°C to +100°C

Chemical resistance: Available on request

Packaging: - 100M = 100 m roll (standard)

- 25BX = 25 m in carton box (standard)

Also available: - 100 m in carton box (on request)

- different sizes on drums (on request)

Colors: - Natural, BK=Black, BL=Blue (standard)

- RD=Red, YL=Yellow, GR=Green (on request)

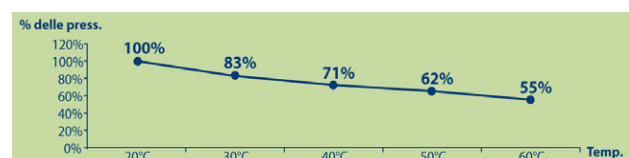
We can offer custom colours following RAL specifications for a minimum delivery of 3.000 m.

CODIFICATION KEY

COPU0806BL-25BX

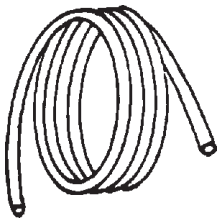
COPU=Material 0806=Diameter

BL=Blue 25BX=25mbox



Pressure variation in function of temperature

PA - POLYAMIDE TUBE PA12PHL - c.best

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press. 23°C	Burst Press. 23°C
	PA04027	4 mm	2.7 mm	25 mm	26 bar	approx. 3x the working pressure
	PA0604	6 mm	4 mm	35 mm	27 bar	
	PA0806	8 mm	6 mm	40 mm	19 bar	
	PA1008	10 mm	8 mm	60 mm	15 bar	
	PA1209	12 mm	9 mm	70 mm	19 bar	
	PA1411	14 mm	11 mm	90 mm	16 bar	

This tube is produced with an innovative polymer named PA12PHL.

- High working pressure
- Good chemical resistance
- Very good hydrolysis resistance
- Excellent dimensional stability
- Good temperature and UV resistance

PA respect the ISO 7628, DIN 73378 (all colours) and DIN 74324 (only black) standard

Temperature range: From -60°C to +130°C

Chemical resistance: Available on request

Packaging: 100M = 100 m roll (standard)

25BX = 25 m in carton box (standard)

Also available: 100 m in carton box (on request)

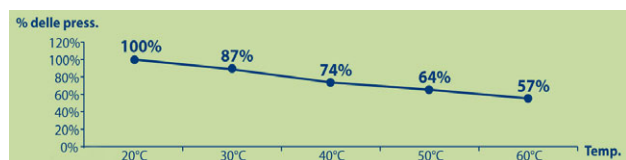
different sizes on drums (on request)

Colors: Natural, BK=Black, BL=Blue, RD=Red,

YL=Yellow, GR=Green (standard)

OR=Orange (on request)

We can offer custom colours following RAL specifications for a minimum delivery of 3.000 m.



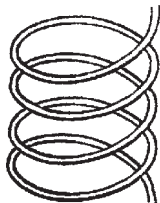
Pressure variation in function of temperature

CODIFICATION KEY

PA0806BL-25BX

PA=Material 0806=Diameter
BL=Blue 25BX=25mbox

SP - POLYAMIDE SPIRAL TUBE PA12 - c.coil

	TYPE	Ø Outside	Ø Inside	Ø Spiraal inside	Tube length	Work length
	SP0604/7.5	6 mm	4 mm	60 mm	7.5 m	4.3 m
	SP0604/30	6 mm	4 mm	60 mm	30 m	17 m
	SP0806/7.5	8 mm	6 mm	80 mm	7.5 m	4.3 m
	SP0806/30	8 mm	6 mm	80 mm	30 m	17 m
	SP1008/7.5	10 mm	8 mm	90 mm	7.5 m	4.3 m
	SP1008/30	10 mm	8 mm	90 mm	30 m	17 m
	SP1210/7.5	12 mm	10 mm	120 mm	7.5 m	4.3 m
	SP1210/30	12 mm	10 mm	120 mm	30 m	17 m



Temperature range: From -60°C to +130°C

Chemical resistance: Available on request

Colors: Blue (standard)

More technical features, see PA12 POLYAMIDE above

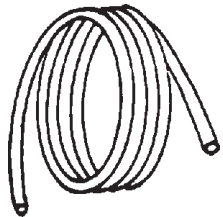
CODIFICATION KEY

SP0806/7.5

SP=Spiral 0806=Diameter 7.5=length

COILS ensure an excellent elastic memory and let the operator work freely.

PU - POLYURETHANE 98 Shore A TUBE - c.flex

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press.23°C	Burst Press.23°C
	PU04025	4 mm	2.5 mm	10 mm	15 bar	approx. 3x the working pressure
	PU0604	6 mm	4 mm	20 mm	13 bar	
	PU0806	8 mm	6 mm	25 mm	10 bar	
	PU10075	10 mm	7.5 mm	30 mm	10 bar	
	PU1209	12 mm	9 mm	45 mm	10 bar	

This Polyurethane tube for pneumatic applications offers a Polyester based Shore A98 flexibility.

- Excellent abrasion resistance
- Extreme flexibility even at low temp. -40°C
- Small bending radius
- Fair mechanical properties
- Resistant to oil and grease

Temperature range: From -40°C to +60°C

Chemical resistance: Available on request

Packaging: - 100M = 100 m roll (standard)

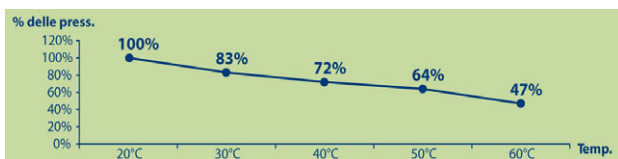
- 25BX = 25 m in carton box (standard)

Also available: - 100 m in carton box (on request)

- different sizes on drums (on request)

Colors: - Natural, BK=Black, BL=Blue (standard)

- RD=Red, YL=Yellow, GR=Green (on request)



Pressure variation in function of temperature

We can offer custom colours following RAL specifications for a minimum delivery of 3.000 m.

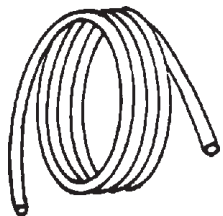
CODIFICATION KEY

PU0806BL-25BX

PU=Material 0806=Diameter

BL=Blue 25BX=25mbox

PE LD - POLYETHYLENE - c.eco

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press.23°C	Burst Press.23°C
	PE0402	4 mm	2 mm	18 mm	21 bar	approx. 3x the working pressure
	PE0604	6 mm	4 mm	30 mm	13 bar	
	PE0806	8 mm	6 mm	40 mm	9 bar	
	PE1008	10 mm	8 mm	60 mm	7 bar	
	PE1210	12 mm	10 mm	80 mm	6 bar	

Produced from an oil source (ethylene), PE is a commodity polymer used for cost sensitive applications with low level of pressures (< 5 bars) and within a restrictive range of temperatures from -10°C to +60°C.

PE offer excellent water barrier properties when the temperature does not exceed +60°C.

Temperature range: From -10°C to +60°C

Chemical resistance: Available on request

Packaging: - 100M = 100 m roll (standard)

- 25BX = 25 m in carton box (on request)

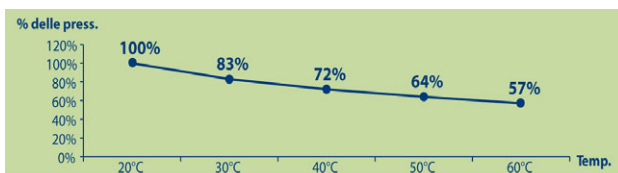
Also available: - 100 m in carton box (on request)

- different sizes on drums (on request)

Colors: - Natural, BK=Black, BL=Blue (standard)

- RD=Red, YL=Yellow, GR=Green (on request)

We can offer custom colours following RAL specifications for a minimum delivery of 3.000 m.



Pressure variation in function of temperature

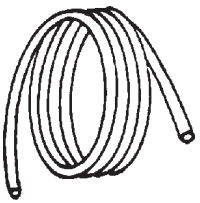
CODIFICATION KEY

PE0806BL-25BX

PE=Material 0806=Diameter

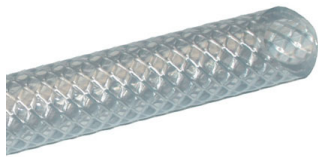
BL=Blue 25BX=25mbox

PVC - FILCLAIR N TUBE WITH POLYESTER FIBRE (COLOR: transparent)

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Pressure at 23°C	Burst Pressure at 23°C
	PVC06	12 mm	6 mm	55 mm	15 bar	approx. 3x the working pressure
	PVC08	14 mm	8 mm	60 mm	15 bar	
	PVC10	16 mm	10 mm	75 mm	15 bar	
	PVC12	18 mm	12 mm	105 mm	10 bar	
	PVC19	26 mm	19 mm	195 mm	10 bar	
	PVC25	33 mm	25 mm	235 mm	10 bar	

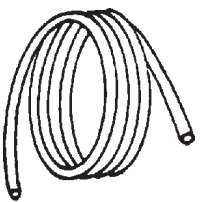
PVC offers a flexible PVC tube reinforced with polyester fibre for compressed air, industrial gases, water and vacuum up to Ø 25 mm.

Temperature range: From -15°C to +60°C
Packaging: 50 m roll with polyethylene film around
Color: Transparent



CODIFICATIONKEY
PVC08-50M
 PVC=Material 08=Diameter 50M=Lenth

PRO - PROFILAIR TUBE WITH POLYESTER FIBRE (COLOR: beige)

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Pressure at 23°C	Burst Pressure at 23°C
	PRO08	14 mm	8 mm	65 mm	20 bar	approx. 3x the working pressure
	PRO12.7	20 mm	12.7 mm	90 mm	20 bar	

PRO offers an even more flexible PVC tube reinforced with polyester fibre for compressed air and industrial gas.

Temperature range: From -15°C to +60°C
Packaging: 50 m roll with polyethylene film around
Color: Beige



CODIFICATIONKEY
PRO08-50M
 PRO=Material 08=Diameter 50M=Lenth



Technical modifications keep in reserve !

(2017/07)