



COMPRESSED AIR ARIANNA PU



ARIANNA PU

Colour: blue.

Temperature range: -40°C + 80°C / - 40°F + 176°F

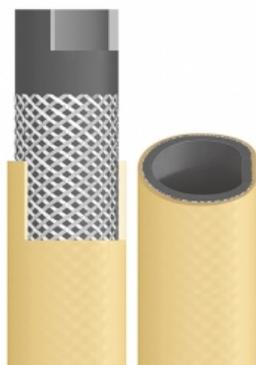
Features: PU hose with high tenacity polyester yarn reinforcement. Very light and flexible even at low temperatures; high resistance to abrasion and bendings. High safety guaranteed by tight connection on fittings.

Applications: compressed air, pneumatic tools and cooling lines, spray and painting guns, sandblast and abrasion resistant application in general.

Technical Data

Part Number	Inside Ø	Outside Ø	Weight	Working Pressure	Bursting Pressure	Bending Radius	Roll Length	Volume
	mm	mm	g/m	bar	bar	mm	mm	m ³
AU 01 006.0 010.0	6	10	60	20	60	40	100	0,020
AU 01 008.0 012.0	8	12	80	20	60	50	100	0,025
AU 01 010.0 014.5	10	14,5	105	20	60	60	100	0,035
AU 01 011.0 016.0	11	16	130	20	60	70	100	0,041
AU 01 013.0 019.0	13	19	185	20	60	80	100	0,058

AGRICULTURE
ARIANNA 20 BAR



ARIANNA 20 BAR

Colour: outside beige, inside black.

Temperature range: -10°C + 60°C / +14°F + 140°F.

Features: flexible hose in special PVC compound stabilized against UV rays. High tenacity polyester yarn reinforcement. Resistant to several chemicals, weather and ozone.

Applications: in agriculture for spraying of pesticides and fertilizers.

Technical Data

Part Number	Inside Ø	Outside Ø	Weight	Working Pressure	Bursting Pressure	Bending	Roll Length	Volume
	mm	mm	g/m	bar	bar	mm	m	m ³
AV 01 008.0 013.0	8	13	110	20	60	80	100	0,032
AV 01 010.0 015.0	10	15	130	20	60	100	100	0,039
AV 01 013.0 019.0	13	19	199	20	60	130	100	0,058
AV 01 016.0 023.0	16	23	283	20	60	160	50	0,047
AV 01 019.0 026.5	19	26,5	361	20	60	190	50	0,059
AV 01 025.0 033.5	25	33,5	526	20	60	250	50	0,093



Ledalon® 11

2500 Series Nylon 11 Tubing

Features:

1. Excellent dimensional stability.
2. Excellent chemical resistance.
3. Excellent abrasion, impact and tensile properties.
4. Extremely resistant to flex and vibration fatigue.
5. Very low moisture absorption rate.
6. Low gas permeability.
7. UV resistant in Black.



Colour: Black only.

Applications: Used in place of Ledalon 1200 Series where higher pressure rating is required i.e. short distance grease lines. Slightly less flexible than the 1200 series.

Material Properties:

Specific Gravity: 1.05 ± 0.02

Tensile Strength: 30.0 N.mm^{-2}

Elongation at Break: 300%

These properties are based on data which is believed to be reliable. They are given for information only as we cannot accept responsibility for operations outside our control.

Sizes are measured by the outside diameter of the tube:

Imperial	Metric
1/8"	4mm
3/16"	5mm
1/4"	6mm
5/16"	8mm
3/8"	10mm
1/2"	12mm
5/8"	16mm



Ledalon® 12

1200 Series Nylon 12 Tubing

Features:

1. Excellent dimensional stability.
2. Excellent chemical resistance.
3. Excellent abrasion, impact and tensile properties.
4. Extremely resistant to flex and vibration fatigue.
5. Very low moisture absorption rate.
6. Low gas permeability.
7. UV resistant in black.



Colour: Natural, Blue, Red, Yellow, Green, Black.

Material Properties:

Specific Gravity 1.02 ± 0.02

Tensile Strength 25.0 N.mm^{-2}

Elongation at Break 200%

These properties are based on data which is believed to be reliable. They are given for information only as we cannot accept responsibility for operations outside our control.

Sizes are measured by the outside diameter of the tube.

Imperial	Metric
1/8"	4mm
3/16"	5mm
1/4"	6mm
5/16"	8mm
3/8"	10mm
1/2"	12mm
5/8"	16mm



Supercoil® Polyurethane & >>SUPERBRAID<<® Braided Polyurethane Self-Storing Air Hose

Supercoil® & >>SUPERBRAID<<® Self-Storing Air Hose are ideal for applications where kink and abrasion resistance are important considerations. Polyurethane's extreme flexibility and light weight combine to minimize user fatigue while its toughness and long lasting durability allow it to withstand rough handling. Our state-of-the-art spring like strain relief fitting system further enhances both the performance and appearance of this high quality hose assembly.



A wide selection of sizes, lengths and colors make it easy to find the right hose for every application . . . right from stock for fast delivery!



SUPERCOIL® . . .

Polyurethane Self-Storing Air Hose

SUPERCOIL® is Self-Storing Air Hose made from 95 Durometer Polyurethane. This extremely flexible hose is perfect for applications where kink and abrasion resistance are important considerations. Our contemporary looking state-of-the-art strain relief system protects the hose at its weakest point (at the barb) while enhancing the appearance of the entire assembly. Other manufacturers use a strain relief that limits the ability of the hose to bend but ours was uniquely designed to take advantage of Polyurethane's flexibility, giving the user a much wider range of motion without the possibility of kinking. Reusable compression fittings are available for quick and easy installation without the need of any special tools. **Supercoil®** Hose Assemblies can be ordered with these reusable compression fittings already installed for rough environments that may require more frequent repairs. We also offer rigid fittings for additional durability on high impact or severe vibration applications.

Specifications:

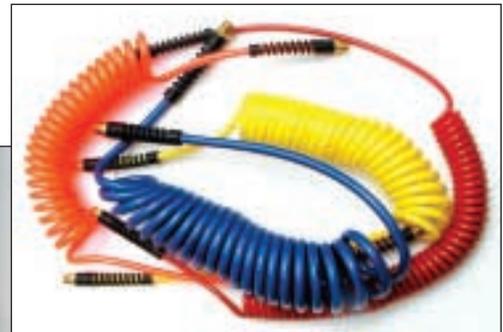
- Temperature Range: - 40° F to + 165° F (- 40° C to + 74° C)
- Working Pressure: Varies By Hose Size (see Ordering Information Chart on page 4 for specific information)
- Maximum Recommended Working Length: 90% of Material Length
- Hose Sizes: 3/16" I. D. to 1/2" I. D.
- Standard Colors: Black, Blue, Neon Orange, Red, Transparent Blue & Yellow

Features:

- SUPER flexible – 100% kink proof
- Rugged brass swivel fittings provide long life & minimal flow restrictions
- State-of-the-art strain relief system protects the hose & increases its maneuverability
- Also available with reusable fittings for quick and easy repairs
- All swivel fittings include reusable thread sealant pre-applied at the factory
- Low tension retractability – minimizes user fatigue
- Abrasion resistant
- Soft Polyurethane material will not mar finishes
- Strong enough to repel most oils and chemicals
- 16" tail on the working (tool) end eliminates tangling of the tool with the coils
- 8" tail on the supply end makes the connection to the air source easy
- More durable and lighter weight than rubber hose - easy to handle



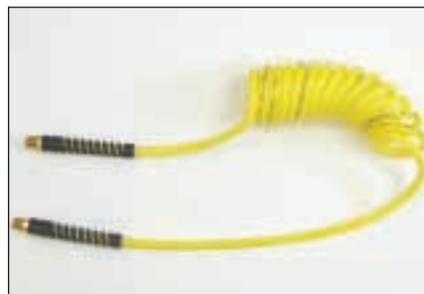
- State-of-the-art strain relief system protects the hose & increases its maneuverability



- Available in a wide selection of sizes, lengths & colors



- Rugged brass swivel fittings provide long life & minimal flow restrictions



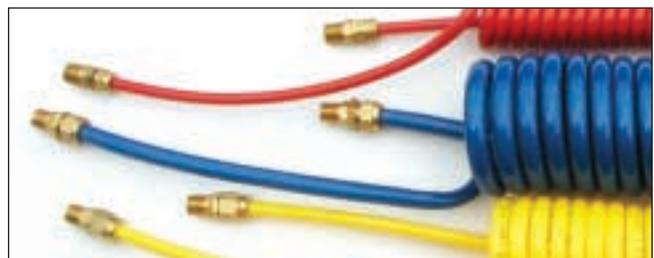
- Super flexible – 100% kink proof



- While other manufacturers use a strain relief that limits the ability of the hose to bend, Nycoil's is uniquely designed to take advantage of Polyurethane's flexibility, giving the user a much wider range of motion without the possibility of kinking.



- Our contemporary looking state-of-the-art strain relief sleeve protects the hose at its weakest point (at the barb) while enhancing the appearance of the entire assembly.



- Reusable fittings are available for fast and easy repairs without any special tools.

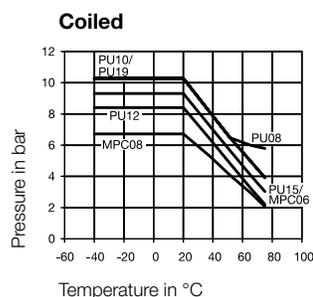
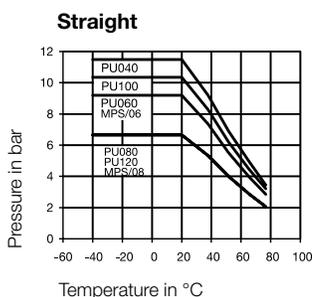


RECTUFLEX



Relation Working Pressure / Temperature

(only for hoses, not for the fittings!)



Technical Description

Nycoil polyurethane hose was developed to eliminate the two most common limitations of nylon self-storing hoses, kinking and abrasion resistance.

This lightweight, yet extremely durable hose is ideal for use in tough work areas or highly mobile applications.

Special Physical Features

- Light weight (specific weight 9x lower as copper)
- Wide temperature range
- High resistance against moisture
- Saltwater insensitive
- Long service

Mechanical Features

- High vibration prevention
- Perfect abrasion resistance
- High compression characteristics
- Low flow reduction for all kind of media
- Constant solidity

Applications

- Compressed Air
- Lubrication grease/oil
- Gasoline
- Hydraulics
- Vacuum
- Chemicals (on request)
- Food and beverage (on request)

Advantages

- Quick assembly possible
- Light weight
- Low pressure drop
- Different colors for identification
- Good storage possibility due to box packing (straight hoses)
- High abrasion resistance
- Very small bending radius and tight coil diameter economizes on work and storage space
- Working length is 80% of total hose length
- 25 % lighter than rubber
- Specially developed swivel fittings offer lowest possible air flow restrictions
- Superior elasticity and coil memory

Technical Data

Temperature range:
-40°C up to +75°C
Assembled: -20°C up to +70°C

Maximum operating pressure:
see chart
Durometer 95 shore A

All technical data refers to air applications. We will gladly assist you for other media.

Straight

Nycoil RECTUFLEX

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number Blue*	Part Number Red*	DS
	2,5 x 4,0		25 m	PU040/025/03	PU040/025/02	■
			50 m	PU040/050/03	PU040/050/02	■
			100 m	PU040/100/03	PU040/100/02	■
	4,0 x 6,0		25 m	PU060/025/03	PU060/025/02	■
			50 m	PU060/050/03	PU060/050/02	■
			100 m	PU060/100/03	PU060/100/02	■
	6,0 x 8,0		25 m	PU080/025/03	PU080/025/02	■
			50 m	PU080/050/03	PU080/050/02	■
			100 m	PU080/100/03	PU080/100/02	■
	6,5 x 10,0		25 m	PU100/025/03	PU100/025/02	■
	9,0 x 12,0		25 m	PU120/025/03	PU120/025/02	■

DS = Delivery Status: ■ in stock

■ on short call

■ medium term delivery

*Hoses in black or transparent available on request.

Multicolor straight

Nycoil RECTUFLEX

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number 2-color	Part-Number 4-color	DS
	4,0 x 6,0		25 m	MPS02/06/025	MPS04/06/025	■ □
	6,0 x 8,0		25 m	MPS02/08/025	MPS04/08/025	■ □

Completely assembled

Nycoil RECTUFLEX

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Connection	Part Number	DS
	5,0 x 8,0	40	2,0 m	G 1/4	PU08/020/DV	■ ■
			3,0 m		PU08/030/DV	■ ■
			4,0 m		PU08/040/DV	■ ■
			6,0 m		PU08/060/DV	■ ■
			7,5 m		PU08/075/DV	■ ■
	6,3 x 9,5	60	2,0 m	G 1/4	PU10/020/DV	■ ■
			3,0 m		PU10/030/DV	■ ■
			4,0 m		PU10/040/DV	■ ■
			6,0 m		PU10/060/DV	■ ■
			7,5 m		PU10/075/DV	■ ■
	8,0 x 12,0	80	3,0 m	G 3/8	PU12/030/DV	■ ■
			4,0 m		PU12/040/DV	■ □
			6,0 m		PU12/060/DV	■ ■
			7,5 m		PU12/075/DV	■ ■
			9,5 x 15,0	110	3,0 m	G 3/8
	4,0 m		PU15/040/DV		■ □	
	6,0 m		PU15/060/DV		■ ■	
	7,5 m		PU15/075/DV		■ ■	
	12,0 x 19,0	110	6,0 m	R 1/2	PU19/060/DV	■ ■
			7,5 m		PU19/075/DV	■ ■

Multicolor coiled

Nycoil RECTUFLEX

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number 2-color	Part-Number 4-color	DS
	4,0 x 6,0	60	2,5 m	MPC02/06/025	MPC04/06/025	■ □
			6,0 m	MPC02/06/060	MPC04/06/060	■ □
			7,5 m	MPC02/06/075	MPC04/06/075	■ □
	6,0 x 8,0	60	2,5 m	MPC02/08/025	MPC04/08/025	■ □
			6,0 m	MPC02/08/060	MPC04/08/060	■ □
			7,5 m	MPC02/08/075	MPC04/08/075	■ □



Polyurethane Hose with Straight Extension

RECTUFLEX

Description

The extremely elastic Nycoil polyurethane hose with straight extension (100 mm at the connecting end, coils in various lengths, 2000 mm at the tool connection end) has the same favourable properties as our conventional coiled hoses: high shape recovery, low looping tendency, higher abrasion resistance, outstanding stability with very low empty weight. In addition, the straight extensions guarantee more freedom of movement and easier handling in the hard working process.

Advantages

- Extremely flexible – resists kinking
- Impervious to abrasions, heat and oil
- Specially developed swivel fittings offer lowest possible air flow restrictions
- Specially designed retainer sleeve also provides strain relief
- Superior elasticity and coil memory

- Working length is 80% of total hose length
- Very small bending radius and tight coil diameter economizes on work and storage space
- 25% lighter than rubber – easy handling
- Highly resistant to wear – five times the life of rubber
- Low tension – easy to work with
- Eases user fatigue
- Swivel fittings nickel plated
- Greater freedom of movement and easy handling through straight extensions at both ends
- Easy do-it-yourself assembly of couplings, plugs or fixed screw connections (on request with protective sleeve)

Applications

- Pneumatic control
- Air tools
- Assembly workstations
- Laboratories
- Electronic assemblies
- Robotics
- Machine tools
- Instrumentation
- Automobile Industry

Technical Data

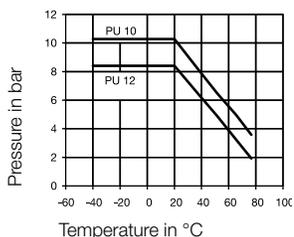
Temperature range:
Hose: -40°C up to +75°C
Assembled: -20°C up to +70°C
Maximum operating pressure:
see chart
Durometer 95 shore A
Color: blue

Other colors available on request.

All technical data refers to air applications. We will gladly assist you for other media.

Relation Working Pressure / Temperature

(only for hoses, not for the fittings!)



Polyurethane Hose with Straight Extension

Nycoil RECTUFLEX

	Inside x Outside Ø mm	Nominal Outside Diameter mm	3 m* Part Number	6 m* Part Number	7,5 m* Part Number	DS
	6,3 x 9,5	60	PU 10/230	PU 10/260	PU 10/275	<input type="checkbox"/>
	8,0 x 12,0	80	PU 12/230	PU 12/260	PU 12/275	<input type="checkbox"/>

Fittings

	Easy do-it-yourself assembly for coupling and plug 25 Series for PU 10 and PU 12 hoses	Part Number	DS
	coupling and spring guard for PU 10	25KAKU10 SPN	<input checked="" type="checkbox"/>
	coupling and spring guard for PU 12	25KAKU12 SPN	<input checked="" type="checkbox"/>
	plug and spring guard for PU 10	26SFKU10 MXN	<input checked="" type="checkbox"/>
	plug and spring guard for PU 12	26SFKU12 MXN	<input checked="" type="checkbox"/>
	fixed screw connection and spring guard for PU 10	SV17/10 AN	<input type="checkbox"/>
	fixed screw connection and spring guard for PU 12	SV17/12 AN	<input type="checkbox"/>
	protective sleeve (black)	T1300-351 BK	<input type="checkbox"/>

DS = Delivery Status: in stock

on short call

medium term delivery

* total hose length



Straight extension

The straight hose extensions attached to the coils optimise the handling of the complete hose unit and offer the user more freedom of movement in the working process. It combines the advantages of the straight hose connection on the tool with the high level of elasticity of the coil system.



Bend protection

Couplings and nipples are supplied with plastic bend protection – this provides lasting protection against the hose snapping.



Easy do-it-yourself assembly

Thanks to the highly user-friendly design of the connecting technology, you can assemble the couplings, plugs or fitting connections yourself in no time. You automatically have maximum flexibility and save time and costs.



Protective sleeve

After assembly of the connecting material, a protective sleeve (flush with the front side of the coupling) can be pushed on to prevent metal parts from scratching sensitive surfaces.