



# FLUICONNECTO HOSE RANGE

Fluiconnecto is proud to present the dedicated range of Fluiconnecto branded hoses aimed at the agriculture sector and other similar general purpose applications.

The basic range consists of:

- **Fluiconnecto 2SN** - a robust and reliable 2SN style braided hose for medium-high pressure applications
- **Fluiconnecto 2SC** - a tough, compact 2SC style braided hose for medium-high pressure applications where space is at a premium
- **Fluiconnecto/12** - an R12, 4 wire spiral hose for high pressure applications in severe environments

These hoses are designed and manufactured according to our exacting high standards and fully comply with all appropriate international standards. The hoses are clearly branded using inkjet marking technology for an easy-to-read, cost effective solution.

The Fluiconnecto family of hoses is integrated with the robust MF2000 Manuli fittings, that guarantee long term reliability and a qualification profile exceeding the international specifications. Each hose family has a full range of skive and no-skive fittings designed to work seamlessly with the hose, providing a long-lasting and leak-free connection every time.

In order to offer a complete package of highly competitive hoses, the range now also includes one of Manuli Hydraulics' most recent additions, the highly innovative **Synergy** hose design. The unique structure of these hoses comprises a single wire braid layer and 2 wire spiral layers, providing a perfect blend of strength and flexibility. Pending the development of sufficient sales volumes, this hose will currently be available as Manuli branded only.

# FLUICCONNECTO 2SN

INTEGRATED, RELIABLE HOSE ASSEMBLY



TECHNICAL DATA																	
FLC PART N°	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
A01005-04	6	-4	1/4"	12,7	0,50	14,7	0,58	400	5800	1600	23200	100	3,94	369	0,25	MF+M03400-04	OPF-04
A01005-05	8	-5	5/16"	14,3	0,56	16,3	0,64	350	5070	1400	20300	114	4,49	408	0,27	MF+M03400-05	OPF-05
A01005-06	10	-6	3/8"	16,7	0,66	18,7	0,74	330	4780	1320	19140	127	5,00	531	0,36	MF+M03400-06	OPF-06
A01005-08	12	-8	1/2"	19,8	0,78	21,8	0,86	275	3980	1100	15950	178	7,01	621	0,42	MF+M03400-08	OPF-08
A01005-10	16	-10	5/8"	23,0	0,91	25,0	0,98	250	3620	1000	14500	200	7,87	722	0,49	MF+M03400-10	OPF-10
A01005-12	19	-12	3/4"	27,0	1,06	29,0	1,14	215	3110	860	12470	240	9,45	947	0,64	MF+M03400-12	OPF-12
A01005-16	25	-16	1"	34,8	1,37	36,8	1,45	165	2390	660	9570	300	11,81	1294	0,87	MF+M03400-16	OPF-16

## KEY FEATURES

- DIN and new SAE rated working pressures
- Halogen-Free hose line

## APPLICATIONS & FLUIDS

- Hydraulics: medium-high pressure lines
- Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

## CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F  
100 °C, 212 °F

## TUBE

Oil resistant synthetic rubber

## REINFORCEMENT

Two high tensile steel braids

## COVER

CONVENTIONAL COVER TYPE  
Environment resistant synthetic rubber

## APPLICABLE SPECS

EN 853 2SN; SAE 100 R2AT; ISO 1436 2SN/R2AT

## TYPE APPROVALS

CU-TR

# FLUICCONNECTO 2SC

INTEGRATED, RELIABLE HOSE ASSEMBLY



TECHNICAL DATA																	
FLC PART N°	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
A09006-04	6	-4	1/4"	11.3	0.44	13.1	0.51	400	5800	1850	26832	45	1.77	289	0.19	MF + M03300-04	OPF-04
A09006-05	8	-5	5/16"	12.9	0.5	14.7	0.57	350	5070	1700	24656	55	2.16	328	0.22	MF + M03300-05	OPF-05
A09006-06	10	-6	3/8"	15.0	0.59	16.8	0.66	330	4780	1500	21756	65	2.55	397	0.27	MF + M03300-06	OPF-06
A09006-08	12	-8	1/2"	18.5	0.72	20.3	0.79	275	3980	1220	17694	80	3.14	507	0.34	MF + M03300-08	OPF-08
A09006-10	16	-10	5/8"	21.8	0.85	23.6	0.92	250	3625	1050	15229	90	3.54	629	0.42	MF + M03400-10	OPF-10
A09006-12	19	-12	3/4"	25.6	1.00	27.6	1.08	215	3120	920	13343	120	4.72	806	0.54	MF + M03400-12	OPF-12
A09006-16	25	-16	1"	33.0	1.29	35.2	1.38	165	2400	720	10442	160	6.29	1142	0.77	MF + M03400-16	OPF-16

## KEY FEATURES

- High flexibility and excellent bend radius
- Halogen-free hose line

## APPLICATIONS & FLUIDS

- Hydraulics: medium-high pressure lines with installation constraints, return lines and suction lines
- Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

## CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F  
100 °C, 212 °F

## TUBE

Oil resistant synthetic rubber

## REINFORCEMENT

Two high tensile steel braids

## COVER

CONVENTIONAL COVER TYPE  
Environment resistant synthetic rubber

## APPLICABLE SPECS

EN 857 2SC; ISO 11237 2SC; SAE 100 R16.

# FLUICCONNECTO/12

ABRASION, WEATHER & AGING RESISTANCE



TECHNICAL DATA																	
FLC PART N°	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
A17006-06	10	-6	3/8"	17.3	0.68	20	0.78	280	4060	1600	23206	100	3.93	620	0.42	MF + M00910-06	OPK-06
A17006-08	12	-8	1/2"	20.4	0.8	23.5	0.92	280	4060	1350	19580	125	4.92	760	0.51	MF + M00910-08	OPK-08
A17006-10	16	-10	5/8"	24.4	0.96	27.1	1.06	280	4060	1300	18855	140	5.51	990	0.67	MF + M00910-10	OPK-10

## KEY FEATURES

- Validated for high fatigue resistance
- Superior abrasion resistance
- High ozone and weather resistance
- Antistatic and antitoxic cover
- BIO biological and mineral oils compatibility

## APPLICATIONS & FLUIDS

- Hydraulics: high pressure power lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining
- Mineral oils, vegetable oils and synthetic ester based oils (up to 100°C/212°F), glycols and polyglycols, mineral oils in aqueous emulsion, water

## CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F  
121 °C, 250 °F

## TUBE

Oil resistant synthetic rubber

## REINFORCEMENT

Four high tensile steel spirals

## COVER

STRONG - TYPE "SD"  
Synthetic rubber with high abrasion, ozone, weather and heat resistance

## APPLICABLE SPECS

Exceeds EN 856 R12; SAE 100 R12; ISO 3862 R12

# SYNERGY

## HIGH PRESSURE HYDRAULICS



### TECHNICAL DATA

FLC PART N°	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
A34003-04	6	-4	1/4"	14,0	0,55	16,6	0,65	450	6525	1800	26100	100	3,94	462	0,31	MF+M00910-04	
A34003-06	10	-6	3/8"	16,2	0,64	18,2	0,72	450	6525	1800	26100	125	4,92	513	0,34	MF+M03500-06	MF+M00910-06
A34003-08	12	-8	1/2"	20,5	0,81	23,8	0,94	420	6090	1680	24360	160	6,30	798	0,54	MF+M03500-08	MF+M00910-08
A34003-12	19	-12	3/4"	28,4	1,12	31,3	1,23	365	5292,5	1460	21170	240	9,45	1274	0,86	SP+M05400-12	MF+M00930-12
A34003-16	25	-16	1"	34,2	1,35	37,8	1,49	300	4350	1200	17400	340	13,39	1714	1,15	SP+M05400-16	MF+M00930-16
A34003-20	31	-20	1-1/4"	43,2	1,70	46,2	1,82	210	3045	840	12180	460	18,11	2231	1,50	SP+M05400-20	MF+M00920-20

### KEY FEATURES

- Long life resistance in severe hydraulic applications
- High abrasion resistance
- High ozone and weather resistance
- Flame retardant and antistatic cover
- High flexibility and durability
- Low bend radio
- Compact dimensions

### APPLICATIONS & FLUIDS

- Hydraulics: very high pressure hydraulic lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining;
- Mineral oils, vegetable oils and synthetic ester based oils, glycols and polyglycols, mineral oils in aqueous emulsion, water.

### CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F

121 °C, 250 °F

### TUBE

Oil resistant synthetic rubber

### REINFORCEMENT

1 wire braid and 2 wire spirals, high tensile steel

### COVER

STRONG - TYPE "SC"

Synthetic rubber with high abrasion, ozone, weather and heat resistance and an extended operational temperature range

### APPLICABLE SPECS

Manuli® Design, exceeds 4SP performance

### TYPE APPROVALS

MSHA