

Wire-Reinforced Mandrel -wrapped

Wire-Reinforced, Mandrel-Wrapped

TTCSW

Hose manufactured, tested and packed in a controlled clean room (ISO 14644 class 8) for cosmetic, pharmaceutical and food products. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004).

Manufactured according to GMP (Reg. (CE) 2023/2006).

Extractables & leachables testing available. Not intended for use as an implant material. Not suitable for blood or human fluids. Tube extruded platinum-cured silicone, translucent, phthalates free, tested in compliance with 1907/2006/CE (REACH).

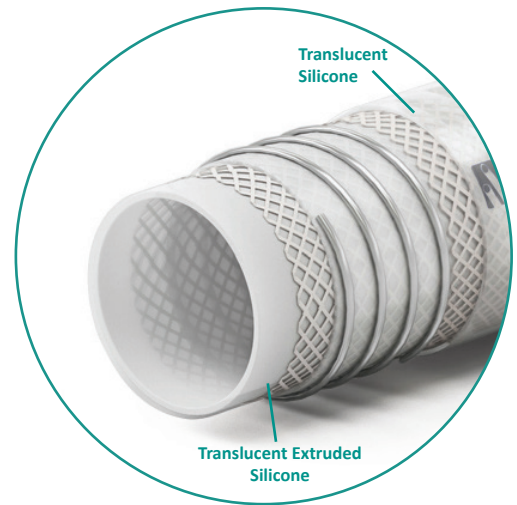
Meets FDA 21 CFR 177.2600, USP class VI main requirements, European Pharmacopoeia ed. 8.1/2014 3.1.9

ISO 10993 - 4:2017, 5:2009, 12:2012, BfR XV, REGULATION 1935/2004/CE

Japan Ministry of Health and Welfare Notice No.370,1959, No.201,2006 and revision 2012

3A Sanitary Standard 18-03-Class I

Arrêté du 25 November 1992



KEY FEATURES

- High temperature resistant textiles, stainless steel wire helix
- Smooth, platinum-cured silicone, translucent, glossy cover.
- Heat, ageing, ozone and abrasion resistant
- General temperature range: -60°C / +200°C (-76°F / +392°F)
The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.
- ISO 1307 for dimensional tolerances

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Appr. Weight		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(Lbs/ft)	(Kg/mt)	(in.)	(mm.)
TTCSW-0500-0940	0.50	13.00	0.94	24.00	13	0.9	189	13	754	52	0.27	0.40	1.97	50
TTCSW-0630-1060	0.63	16.00	1.06	27.00	13	0.9	174	12	696	48	0.32	0.48	2.36	60
TTCSW-0750-1180	0.75	19.00	1.18	30.00	13	0.9	160	11	638	44	0.37	0.55	2.76	70
TTCSW-1000-1420	1.00	25.00	1.42	36.00	13	0.9	145	10	580	40	0.47	0.70	3.54	90
TTCSW-1250-1690	1.25	32.00	1.69	43.00	13	0.9	116	8	464	32	0.56	0.84	4.53	115
TTCSW-1500-2000	1.50	38.00	2.00	51.00	13	0.9	102	7	406	28	0.81	1.20	5.51	140
TTCSW-2000-2520	2.00	51.00	2.52	64.00	13	0.9	87	6	348	24	1.04	1.55	7.48	190



Wire-Reinforced, Mandrel-Wrapped Translucent

TTSW

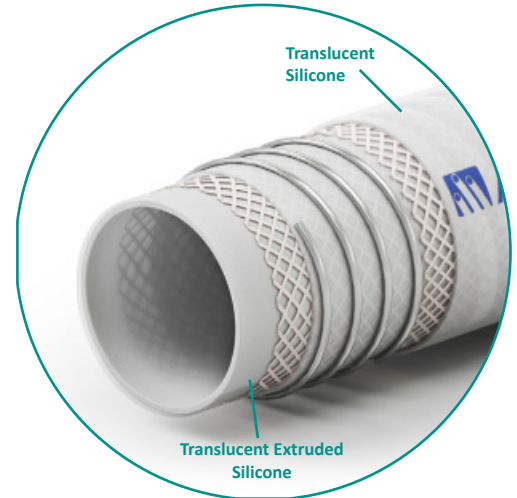
Hose suitable for cosmetic, pharmaceutical and food products. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004).

Manufactured according to GMP (Reg. (CE) 2023/2006). Not intended for use as an implant material. Not suitable for blood or human fluids. Tube silicone, translucent, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Meets FDA 21 CFR 177.2600; USP class VI main requirements;

European Pharmacopoeia ed. 8.1/2014 3.1.9; ISO 10993 - 5:2009, 11:2009, BfR XV, REGULATION 1935/2004/CE; DM 21/03/1973

and subsequent amendments, Japan Ministry of Health and Welfare Notice No.370,1959, No.201,2006 and revision 2012, 3A Sanitary Standards Number 18-03 Class II.



KEY FEATURES

- High temperature resistant plies, stainless steel wire helix.
- Smooth, silicone, translucent, glossy. Heat, ageing and ozone resistant Heat, ageing, ozone and abrasion resistant
- General temperature range: -60°C / +200°C (-76°F / +392°F)
- The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.
- ISO 1307 for dimensional tolerances

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Appr. Weight		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(Lbs/ft)	(Kg/mt)	(in.)	(mm.)
TTSW-2500-3090	2.50	63.50	3.09	78.5	13	0.9	73	5	218	15	1.55	2.32	10.24	260
TTSW-3000-3580	3.00	76.00	3.58	91.0	13	0.9	58	4	174	12	1.82	2.72	12.20	310
TTSW-4000-4610	4.00	102.00	4.61	117.0	13	0.9	44	3	131	9	2.38	3.55	16.54	420

Similar Hoses

Wire-Reinforced, Mandrel-Wrapped	APSW	Translucent Wire-Reinforced, Mandrel-Wrapped	TTSW
Textile Double Wiring Reinforced Hose	GS175 NT®	Wire-Reinforced, Mandrel-Wrapped Translucent	TTSW
Textile Double Wiring Reinforced Hose	GS175 NTP®	Wire-Reinforced, Mandrel-Wrapped White Cover	TWCW
Textile Wiring Reinforced Hose	SPSW	Wire-Reinforced, Mandrel-Wrapped Translucent Core	WWSW
Wire-Reinforced, Mandrel-Wrapped	TTCW	Wire-Reinforced, Mandrel-Wrapped Translucent	TWSW

Translucent Wire-Reinforced, Mandrel-Wrapped

TTSW

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Manufactured according to GMP (Reg. (CE) 2023/2006).

Not intended for use as an implant material. Not suitable for blood or human fluids

Tube platinum-cured silicone, translucent, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Meets FDA 21 CFR 177.2600, USP class VI main requirements

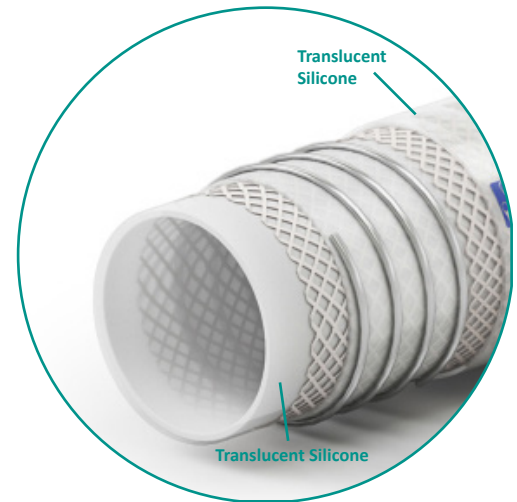
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REGULATION 1935/2004/CE

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3A Sanitary Standard 18-03-Class I

Arrêté du 25 November 1992.



KEY FEATURES

- High temperature resistant textiles, stainless steel wire helix
- Smooth, platinum-cured silicone, translucent, glossy cover
Heat, ageing, ozone and abrasion resistant
- General temperature range: -60°C / +200°C (-76°F / +392°F)
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- ISO 1307 for dimensional tolerances

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Appr. Weight		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(Lbs/ft)	(Kg/mt)	(in.)	(mm.)
TTSW-0500-0910	0.50	13.00	0.91	23.00	13	0.9	218	15	653	45	0.25	0.38	2.36	60
TTSW-0630-1020	0.63	16.00	1.02	26.00	13	0.9	203	14	609	42	0.29	0.44	2.76	70
TTSW-0750-1140	0.75	19.00	1.14	29.00	13	0.9	189	13	566	39	0.34	0.50	3.15	80
TTSW-1000-1380	1.00	25.00	1.38	35.00	13	0.9	145	10	435	30	0.41	0.61	3.94	100
TTSW-1250-1650	1.25	32.00	1.65	42.00	13	0.9	116	8	348	24	0.51	0.76	5.12	130
TTSW-1500-1930	1.50	38.00	1.93	49.00	13	0.9	102	7	305	21	0.70	1.05	6.10	155
TTSW-2000-2440	2.00	51.00	2.44	62.00	13	0.9	87	6	261	18	0.91	1.36	8.27	210

Wire-Reinforced, Mandrel-Wrapped White Cover

TWCW

Hose manufactured, tested and packed in a controlled clean room (ISO 14644 class 8) for cosmetic, pharmaceutical and food products.

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Extractables & leachables testing available.

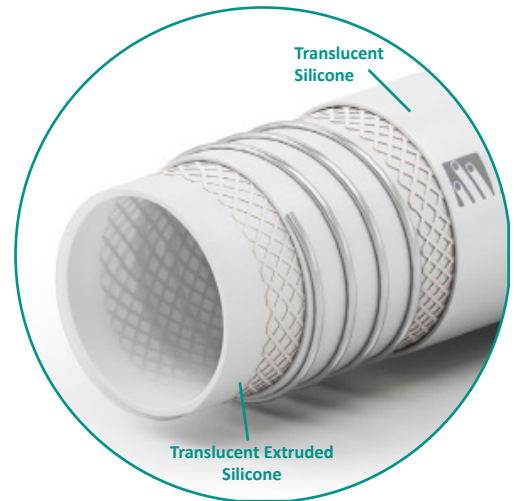
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ISO 10993 - 4:2017, 5:2009, 12:2012, BfR XV,

REGULATION 1935/2004/CE, Japan Ministry of Health and Welfare Notice No.370,1959, No.201,2006 and revision 2012, 3A Sanitary Standard 18-03-Class I

Arrêté du 25 November 1992.



KEY FEATURES

- High temperature resistant textiles, stainless steel wire helix
- Smooth, platinum-cured silicone, white, glossy cover
Heat, ageing, ozone and abrasion resistant
- General temperature range: -60°C / +200°C (-76°F / +392°F)
- The operating temperature of the hose is directly dependent upon the specific fluid being conveyed and the length of time the fluid is in contact with the hose
- ISO 1307 for dimensional tolerances

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Appr. Weight		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(Lbs/ft)	(Kg/mt)	(in.)	(mm.)
TWCW-0500-0910	0.50	13.00	0.91	23.00	13	0.9	189	13	754	52	0.25	0.38	1.97	50
TWCW-0630-1600	0.63	16.00	1.02	26.00	13	0.9	174	12	696	48	0.29	0.44	2.36	60
TWCW-0750-1900	0.75	19.00	1.14	29.00	13	0.9	160	11	638	44	0.34	0.50	2.76	70
TWCW-1000-2500	1.00	25.00	1.38	35.00	13	0.9	145	10	580	40	0.41	0.61	3.54	90
TWCW-1250-1650	1.25	32.00	1.65	42.00	13	0.9	116	8	646	32	0.51	0.76	4.53	115
TWCW-1500-1930	1.50	38.00	1.93	49.00	13	0.9	102	7	406	28	0.70	1.05	5.51	140
TWCW-2000-2440	2.00	51.00	2.44	62.00	13	0.9	87	6	348	24	0.91	1.36	7.48	190



Wire-Reinforced, Mandrel-Wrapped Translucent

TWSW

Hose suitable for cosmetic, pharmaceutical and food products. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004).

Manufactured according to GMP (Reg. (CE) 2023/2006).

Not intended for use as an implant material. Not suitable for blood or human fluids.

Tube platinum-cured silicone, translucent, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Meets FDA 21 CFR 177.2600, USP class VI main requirements European Pharmacopoeia ed. 8.1/2014 3.1.9

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Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Appr. Weight		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(Lbs/ft)	(Kg/mt)	(in.)	(mm.)
TWSW-0500-0910	0.50	13.00	0.91	23.00	13	0.9	218	15	653	45	0.25	0.38	2.36	60
TWSW-0630-1020	0.63	16.00	1.02	26.00	13	0.9	203	14	609	42	0.29	0.44	2.76	70
TWSW-0750-1140	0.75	19.00	1.14	29.00	13	0.9	189	13	566	39	0.34	0.50	3.15	80
TWSW-1000-1380	1.00	25.00	1.38	35.00	13	0.9	145	10	435	30	0.41	0.61	3.94	100
TWSW-1250-1650	1.25	32.00	1.65	42.00	13	0.9	116	8	348	24	0.51	0.76	5.12	130
TWSW-1500-1930	1.50	38.00	1.93	49.00	13	0.9	102	7	305	21	0.70	1.05	6.10	155
TWSW-2000-2440	2.00	51.00	2.44	62.00	13	0.9	87	6	261	18	0.91	1.36	8.27	210

Wire-Reinforced, Mandrel-Wrapped White Core

WWSW

Hose suitable for cosmetic, pharmaceutical and food products. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004).

Manufactured according to GMP (Reg. (CE) 2023/2006).

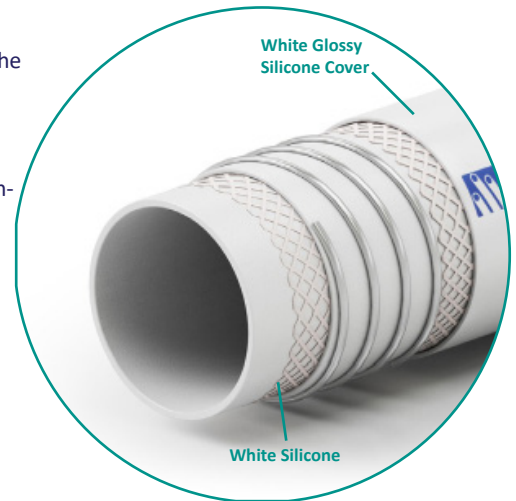
Not intended for use as an implant material.

Not suitable for blood or human fluids. Tube silicone, white, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Meets FDA 21 CFR 177.2600, USP class VI main requirements, European Pharmacopoeia 3.1.9 Ed. VII 2011

ISO 10993 - 5:2009, 10:2010, BfR XV,

REGULATION 1935/2004/CE, DM 21/03/1973 and subsequent amendments.



KEY FEATURES

- High temperature resistant plies, stainless steel wire helix
- Smooth, silicone, white, glossy.
Heat, ageing and ozone resistant
- General temperature range: -60°C / +200°C (-76°F / +392°F)
- The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.
- ISO 1307 for dimensional tolerances

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Appr. Weight		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(Lbs/ft)	(Kg/mt)	(in.)	(mm.)
WWSW-2500-3010	2.50	63.50	3.01	76.5	13	0.9	75	5	218	15	1.38	2.06	10.24	260
WWSW-3000-3500	3.00	76.00	3.50	89.0	13	0.9	60	4	174	12	1.62	2.42	12.20	310
WWSW-4000-4530	4.00	102.00	4.53	115.0	13	0.9	45	3	131	9	2.27	3.39	16.54	420



Similar Hoses

Wire-Reinforced, Mandrel-Wrapped	APSW	Translucent Wire-Reinforced, Mandrel-Wrapped	TTSW
Textile Double Wiring Reinforced Hose	GS175 NT®	Wire-Reinforced, Mandrel-Wrapped Translucent	TTSW
Textile Double Wiring Reinforced Hose	GS175 NTP®	Wire-Reinforced, Mandrel-Wrapped White Cover	TWCW
Textile Wiring Reinforced Hose	SPSW	Wire-Reinforced, Mandrel-Wrapped Truculent Core	WWSW
Wire-Reinforced, Mandrel-Wrapped	TTCW	Wire-Reinforced, Mandrel-Wrapped Transculcent	TWSW

Wired & Textile Reinforced Silicone Platinum Hose FDA USP-VI

SPSW

Manufactured using a platinum cured silicone elastomer which is compositionally compliant with FDA 21CFR 177.2600 and USP Class VI standards. These hoses are supplied in up to 4M lengths, with a temperature range of -60°C to +200°C (+220°C spot) in standard form, bore sizes available from 1/4" (6.3 mm) to 6" (152.4 mm). Standard color translucent. Extra flex hoses are ideally suited for clean industry process/production use.

The wall construction is made of plies of knitted polyester cloth impregnated with silicone and a stainless steel wire reinforcing helix embedded between the plies. Smooth line bore for clear flow with smooth outer skin of silicone for complete integrity. The Extra flex range of hoses incorporates wire reinforcement at 4 turns per inch, resulting in extreme flexibility and the ability to handle increased operating pressures.

The Extra flex range of hoses are designed to have a working pressure of 10 bar up to 76 mm id and 5 bar on anything higher.



KEY FEATURES

- 4 TPI (turns per inch) to withstand greater working pressures
- Supplied in up to 4 metre lengths
- USP Class VI and FDA 177.2600
- General temperature range: -60°C to 180°C continuous
- 316 stainless steel wire with helix reinforcement
- Standard sizes range from 6.5mm to 102mm
- Colored outer option whilst retaining platinum cured centre
- Smooth inner and outer finish
- Non wire option available for lower pressure hygienic applications
- Swaged stainless steel fittings available

PHYSICAL PROPERTIES**

Typical Physical Properties of the Cured Silicone Rubber Compound	
Raw Material:	Platinum cured silicone
Color	Translucent
Specific Gravity	1.2
Hardness	60-65 shore 'A' (silicone)
Tensile Strength	10 Mpa (min) silicone
Elongation at Break	450° (minimum), silicone
Tear Strength	38 kN/m (silicone)

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Wall		Working Pres. at 70°F (21.1°C)		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(in.)	(mm.)
SPSW-P-0375	0.370	9.5	0.768	19.5	0.197	5.00	145	10	1.77	45
SPSW-P-0500	0.500	12.7	0.894	22.7	0.197	5.00	145	10	1.97	50
SPSW-P-0750	0.750	19.0	1.142	29.0	0.197	5.00	145	10	2.56	65
SPSW-P-1000	0.980	25.0	1.378	35.0	0.197	5.00	145	10	3.43	87
SPSW-P-1250	1.260	32.0	1.654	42.0	0.197	5.00	145	10	4.33	110
SPSW-P-1500	1.500	38.0	1.890	48.0	0.197	5.00	145	10	5.51	140
SPSW-P-2000	2.010	51.0	2.402	61.0	0.197	5.00	145	10	6.69	170
SPSW-P-2500	2.500	63.5	2.988	75.9	0.244	6.20	145	10	10.83	275
SPSW-P-3000	2.990	76.0	3.480	88.4	0.244	6.20	145	10	15.75	400
SPSW-P-4000	4.020	102.0	4.504	114.4	0.244	6.20	73	5	27.56	700

Similar Hoses

Wire-Reinforced, Mandrel-Wrapped	APSW
Textile Double Wiring Reinforced Hose	GS175 NT®
Textile Double Wiring Reinforced Hose	GS175 NTP®
Textile Wiring Reinforced Hose	SPSW
Wire-Reinforced, Mandrel-Wrapped	TTCSW
Translucent Wire-Reinforced, Mandrel-Wrapped	TTSW
Wire-Reinforced, Mandrel-Wrapped Translucent	TTSW
Wire-Reinforced, Mandrel-Wrapped White Cover	TWCW
Wire-Reinforced, Mandrel-Wrapped Truculent Core	WWSW
Wire-Reinforced, Mandrel-Wrapped Transculent	TWSW