

031 PTFE 1SSB Stainless steel braid convoluted

INDUSTRIAL
AUTOMATION

GAS

FUEL

CHEMICALS

HYDRO
CHEMICALS

PAINT SPRAY
& SOLVENTS

AGGRESSIVE
CHEMICALS

PTFE

WATER

Convoluted PTFE hose for medium pressure

From 23 to 138 bar (300 to 2000 psi)



FEATURES

Inner Tube

Polytetrafluoroethylene

Reinforcement

One braid of stainless
AISI 304 wire

Cover

N/A

Applications

- Aggressive chemical transfer systems
- Compressed air and gases
- High or low temperature fluid or gas transfer

Features

- Pure PTFE tube material: lightweight resistant to almost all chemicals, gases and solvents
- Stainless steel braid/cover cover to support medium pressure requirements
- Hose comes in random length coils

Description

Lightweight convoluted hose for standard industrial use especially for high or low temperature and aggressive chemical applications: including some gases (there will be a level of gas permeation which should be taken into account). Care should be taken to ensure proper fitting and ferrule compatibility. Hose not suitable for continuous hydraulic impulse applications. Above 130°C (266°F) there will be a reduction in maximum working pressure: reduce

maximum working pressure by 1% for each 2°C (3.6°F) above 130°C (266°F). Hose suitability must be checked when discharge of electrical static build up is required

Temperature Range

-60°C to +260°C
(-76°F to +500°F)

APPLICATIONS



PACKAGING



Part No.	Hose size			ID		OD		WP		BP		Safety factor	Bend radius		Weight		Ferrule part no.	
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	carbon	stainless
0314	-6	3/8"	10	9,50	0,374	15,20	0,598	138	2000	414	6000	3:1	20	0,79	210	0,141	SAI141	SAI841
0315	-8	1/2"	12	12,80	0,504	18,80	0,740	103	1400	309	4200	3:1	25	0,98	280	0,188	SAI151	SAI851
0316	-10	5/8"	16	15,90	0,626	22,10	0,870	83	1200	249	3600	3:1	50	1,97	325	0,218	SAI161	SAI861
0317	-12	3/4"	20	19,00	0,748	24,60	0,969	69	1000	207	3000	3:1	65	2,56	395	0,265	SAI171	SAI871
0318	-16	1"	25	25,40	1,000	32,80	1,291	46	600	138	1800	3:1	90	3,54	550	0,370	SAI181	SAI881
0319	-20	1+1/4"	32	32,20	1,268	40,70	1,602	34	400	102	1200	3:1	125	4,92	690	0,464	SAI191	SAI891
031T	-24	1+1/2"	38	38,10	1,500	48,20	1,898	30	400	90	1200	3:1	150	5,91	890	0,598	SAI1T1	SAI8T1
031X	-32	2"	51	51,40	2,024	61,50	2,421	23	300	69	900	3:1	200	7,87	1240	0,833	SAI1X1	SAI8X1