



Hydraulic Hose Tech Data Sheet

TECH DATA SHEET 5003

Hydraulic Hose Range



Compact Hydraulic Hose, EN857-1SC 1 Wire Compact Hose

Application:

Medium pressure hydraulic applications with space constraints and greater flexibility is required

Specification:

EN857 – 1SC

Construction:

Inner tube: oil resistant synthetic rubber (NBR)

Reinforcement: 1 single steel wire braid

Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:

Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

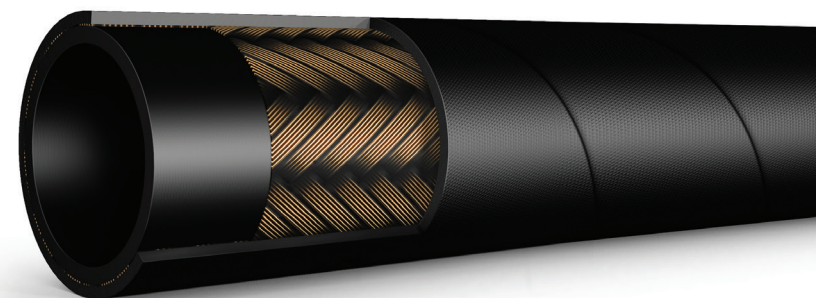
NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre

Smooth cover available on request

° Working Temperature:

-40°C to +100°C



FT PRO 1SC - 04 - EN857 - 1SC / DN06 - 1/4" - 04 - W.P 225 BAR 3260 PSI MSHA IC-267 (Q3 24)

Part Number	Size			ID		Wire Dimension		OD	Working Pressure		Pulse Pressure		Burst Pressure		Bend Radius		Weight	Impulse Test Rate	Crimping Dimensions	Size in mm	Tail ID Top Tolerance	Tail ID Bottom Tolerance	Crimped No Go	Crimped Go
	mm	inch	SAE	min	max	min	max		max	bar	psi	bar	psi	bar	psi	Inch								
1SC-04	6.3	1/4	-4	6.4	6.9	9.6	10.8	13.5	225	3260	450	6525	900	13050	2.95	75	0.20	150000	FR79-04	14.7	3.86	3.67	3.67	3.45
1SC-06	10	3/8	-6	9.5	10.1	12.7	14.5	16.9	180	2610	360	5220	720	10440	3.54	90	0.19	150000	FR79-06	19	6.78	6.42	6.42	6.13
1SC-08	12.5	1/2	-8	12.7	13.5	15.9	18.1	20.4	160	2320	320	4640	640	9280	5.12	130	0.23	150000	FR79-08	23.3	9.21	8.86	8.86	8.40
1SC-12	19	3/4	-12	18.8	19.8	23.2	24.4	26.7	105	1520	210	3045	420	6090	7.09	180	0.34	150000	FR79-12	30.8	14.46	13.91	13.91	13.31