



660 Series



R157 (660 SERIES):

R157 (660 series) is a heavyweight 3000psi (207 bar) aerospace hose assembly qualified to AS604. The hose consists of an extruded smoothbore PTFE inner core, reinforced with multiple layers of CRES 304 wire braid. The PTFE inner core is conductive and provides excellent chemical resistance through a temperature range of -65° F to +400° F (-54C to +204C) with unlimited shelf life. The 660 series is especially suited to applications with significant impulsing, and outputs from hydraulic or pneumatic pumps. Standard fittings are CRES, however titanium fittings are also available. Fire protection per AS1055 Class A&B can be either integral or slip-on AS1072 fire sleeve. Chafe sleeves are available in a variety of integral or slip-on materials. Hybrid assemblies combining flex hose with multi-bend tube are a Titeflex specialty and provide improved vibration dampening, ease of installation and maintenance over strictly rigid tube.

SERIES: 660**SPECIFICATION:** SAE AS604**BRAID:** CRES**INNERCORE:** PTFE Smoothbore**QUALIFICATIONS:**

SAE AS604, TSO C75 Type IIIB-S/P-F,
AS1055 Type IIa & IIb, Class A&B,
Integral and Slip-on Firesleeve

ENGLISH

HOSE SIZE	OPERATING PRESSURE	HOSE ID (MIN)	HOSE OD (MIN)	HOSE OD (MAX)	BRAIDED HOSE WT/1/	BEND RADIUS (MIN)/2/	PROOF PRESSURE	ROOM TEMP BURST (MIN)	HIGH TEMP BURST (MIN)
	psi	in	in	in	lb/in	in	psi	psi	psi
4	3,000	0.224	0.39	0.41	0.011	3	6,000	16,000	12,000
6	3,000	0.298	0.535	0.595	0.028	5	6,000	14,000	10,500
8	3,000	0.391	0.675	0.735	0.04	5.75	6,000	14,000	10,500
10	3,000	0.485	0.875	0.935	0.062	6.5	6,000	12,000	900
12	3,000	0.602	1.03	1.09	0.086	7.75	6,000	12,000	900
16	3,000	0.852	1.35	1.41	0.14	9.63	6,000	12,000	900

NOTES /1/ Over minimum 12 inch length /2/ Inside of bend

METRIC

HOSE SIZE	OPERATING PRESSURE	HOSE ID (MIN)	HOSE OD (MIN)	HOSE OD (MAX)	BRAIDED HOSE WT/1/	BEND RADIUS (MIN)/2/	PROOF PRESSURE	ROOM TEMP BURST (MIN)	HIGH TEMP BURST (MIN)
	bar	mm	mm	mm	g/m	mm	bar	bar	bar
4	207	5.69	9.91	10.41	199	76.2	414	1 103	827
6	207	7.6	14.2	15	500	127	414	965	724
8	207	10	17.4	18.16	714	146	414	965	724
10	207	13.3	22.2	23	1 107	165	414	827	621
12	207	16.5	26.4	27.43	1 536	197	414	827	621
16	207	22.1	34.3	35.31	2 500	244	414	827	621

NOTES /1/ Over minimum 305mm length /2/ Inside of bend



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Revision NC