

195 A92.2 Non conductive

Thermoplastic non-conductive hose for hydraulic applications

From 90 to 210 bar (1300 to 3000 psi)



FEATURES

Inner tube

Polyester elastomer

Reinforcement

One or two braids of synthetic fiber

Cover

Polyurethane, orange, non pinpricked, black ink-jet branding

Applications

- High voltage equipment
- Aerial platforms
- Cranes
- Equipment requiring electrical high insulation

Features

- Lightweight
- Flexible
- Compact
- Orange cover
- Non pinpricked
- Bonded construction
- Abrasion resistant

Description

Complies with ANSI A92.2 for vehicle-mounted aerial devices. Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids used in hydraulic applications requiring electrical high insulation or non-conductivity in high

voltage environment e.g. near electrical power lines.

Temperature range

-40°C to +100°C (-40°F to +212°F)
Limited to +70°C (+158°F) for air and water based fluids

Vacuum rating

-0,93 bar / -700 mm Hg
-13,5 psi / -27,5 inch Hg

Specifications

Hoses meet standards SAE J517/J343 and EN855 for non conductivity where maximum electrical leakage shall not

exceed 50µA when a 152 mm sample is subject to 37.5 KV for 5 minutes equivalent to 250 KV/meter

WARNING!

3:1 Safety Factor is acceptable if eventual hose failure will not result in movement of aerial device. SAE standards require 4:1 Design Factor One

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
1951	-3	3/16"	5	5,00	0,197	9,60	0,378	210	3000	840	12000	4:1	25	0,98	60	0,040	SAB111	SAB811
1952	-4	1/4"	6	6,50	0,256	12,20	0,480	210	3000	840	12000	4:1	35	1,38	100	0,067	SAB121	SAB821
1953	-5	5/16"	8	8,10	0,319	14,30	0,563	210	3000	760	10800	3.5:1	45	1,77	130	0,087	SAB131	SAB831
1954	-6	3/8"	10	9,70	0,382	16,00	0,630	210	3000	640	9200	3:1	55	2,17	150	0,101	SAB141	SAB841
1955	-8	1/2"	12	13,00	0,512	20,30	0,799	180	2600	560	8000	3:1	75	2,95	220	0,148	SAB151	SAB851
1956	-10	5/8"	16	16,30	0,642	23,70	0,933	140	2000	420	6000	3:1	110	4,33	280	0,188	SAB161	SAB861
1957	-12	3/4"	20	19,50	0,768	27,10	1,067	120	1700	360	5200	3:1	140	5,51	335	0,225	SAB171	SAB871
1958	-16	1"	25	25,90	1,020	34,00	1,339	90	1300	280	4000	3:1	190	7,48	455	0,306	SAB181	SAB881

MEDIUM PRESSURE

PILOT FL

SAE 100R7

ANSI A92.2

HIGH PRESSURE

CONSTANT PRESSURE

VERY HIGH PRESSURE

SPECIALITIES