095 R7 Non conductive

Thermoplastic non-conductive hose for hydraulic applications
From 70 to 210 bar (1000 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
- Safety and rescue equipment
- Aerial platforms
- Cranes
- Equipment requiring electrical high insulation

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

Description
Meets or exceeds SAE 100R7. 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 water based fluids

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

Specifications
SAE 100R7/EN855-R7/ ISO3949-R7

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.

APPLICATIONS

PACKAGING

CERTIFICATION

U.S. Department of Labor MSHA Mine Safety & Health Administration

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
0951	-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
0952	-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
0953	-5	5/16"	8	8,10	0,319	14,30	0,563	190	2700	760	10800	4:1	45	1,77	130	0,087	SAB131	SAB831
0954	-6	3/8"	10	9,70	0,382	16,00	0,630	160	2300	640	9200	4:1	55	2,17	150	0,101	SAB141	SAB841
0955	-8	1/2"	12	13,00	0,512	20,30	0,799	140	2000	560	8000	4:1	75	2,95	220	0,148	SAB151	SAB851
0956	-10	5/8"	16	16,30	0,642	23,70	0,933	105	1500	420	6000	4:1	110	4,33	280	0,188	SAB161	SAB861
0957	-12	3/4"	20	19,50	0,768	27,10	1,067	90	1300	360	5200	4:1	140	5,51	335	0,225	SAB171	SAB871
0958	-16	1"	25	25,90	1,020	34,00	1,339	70	1000	280	4000	4:1	190	7,48	455	0,306	SAB181	SAB881