



# Section 1

## Hydraulic Hose

### RLA 1-Fibre Braid Return Line & Low Pressure Hose

#### Meets Flame Resistance Acceptance Designation MSHA 2G

**Recommended For:** Low-pressure hydraulic oil return lines for general purpose water, glycol antifreeze solutions, conveying diesel fuel, gasoline or air.

**Standards:** Meets SAE 30R2 performance requirements of both Type 1 and Type 2 for fuel and B20 constant contact up to 125°F (51°C) biodiesel fuel transfer applications.



**Tube:** Black oil resistant synthetic rubber (Nitrile - Type C).

See *Characteristics Of Hose Stock Types*.

**Reinforcement:** One fibre braid (-3 to -10). Spiral braid (-12 to -16).

**Cover:** Black synthetic rubber. Oil and abrasion resistant (modified Nitrile - Type C2).

See *Characteristics Of Hose Stock Types*.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only.

For water emulsions see *Additional Temperature Limits For Gates Hydraulic Hose*.

**Couplings Recommendation:** (see *Southcott Crimp Data Book/Charts*)

Gates MegaCrimp® (G) Couplings (-4 through -16)

Child Super Crimp (S) Series Couplings

Refer [www.southcott.com.au](http://www.southcott.com.au) for current crimp specifications.

#### Hose Specifications

Part Number	⊖			⊘		⊙		⊙		⊙		Length (m)
	Standard	Dash	Inch	DN	Inch	mm	PSI	Bar	PSI	Bar	Inch	
3RLA	3	3/16	5	0.41	10.4	250	17	1,000	69	3.0	76	168
4RLA	4	1/4	6	0.50	12.7	250	17	1,000	69	3.0	76	168
5RLA	5	5/16	8	0.56	14.2	250	17	1,000	69	4.0	102	168
6RLA	6	3/8	10	0.66	16.8	250	17	1,000	69	4.0	102	168
8RLA	8	1/2	12	0.81	20.6	200	14	800	55	5.0	127	168
10RLA	10	5/8	16	0.94	23.9	200	14	800	55	6.0	152	168
12RLA	12	3/4	19	1.09	27.7	200	14	800	55	6.0	152	168
16RLA	16	1	25	1.34	34.0	160	11	640	44	8.0	203	122

#### Additional Product

HoseType	Couplings and Ferrules			Associated Protective Product							
	Standard	Gates	Child	Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar	Hose Clamp
1 Piece Series		2 Piece Series Coupling	Ferrule								
3RLA	-	S	FSP-203	HSG-01	SGX16	HTG-12	TEXS17	SB19	14LG3K	6SC4	MH004
4RLA	4G	S	FSP-204	HSG-01	SGX16	HTG-13	TEXS20	SB22	14LG3K	6SC4	MH004
5RLA	5G	S	FSP-205	HSG-02	SGX20	HTG-15	TEXS20	SB25	14LG3K	6SC4	MH004
6RLA	6G	S	FSP-206A	HSG-03	SGX20	HTG-18	TEXS23	SB25	14LG3K	6SC4	HS006
8RLA	8G	S	FSP-208	HSG-05	SGX25	HTG-20	TEXS27	SB34	16LG3K	6SC4	HS008
10RLA	10G	S	FSP-212	HSG-07	SGX32	HTG-20	TEXS31	SB34	20LG3K	8SC4	HS012
12RLA	12G	S	FSS-12	HSG-09	SGX32	HTG-24	TEXS36	SB41	26LG3K	12SC4	HS012
16RLA	16G	S	FSS-16	HSG-11	SGX40	HTG-28	TEXS44	SB48	32LG3K	16SC4	HS016