



# Section 1

## Hydraulic Hose

### EFG5K Spiral Wire Hose - SAE 100R13

5,000psi  
350 Bar

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

**Recommended For:** Extremely high pressure, high impulse applications.

**Standards:** Exceeds all requirements of ISO 18752 Grade D and SAE 100R13, and performance requirements of EN 856/4SH (-16 & -20), EN 856 4SP (-10 & -12), EN 856 R13 and ISO 3862 Type R13 (-12, -16, -24, -32).

Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Also available in long lengths.

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

See *Characteristics Of Hose Stock Types*.

**Reinforcement:** Four (six for -20, -24 & -32) alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A).

Colour-coded layline. Also available with unique abrasion-resistant MegaTuff® cover.

See *Characteristics Of Hose Stock Types*.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C).

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



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

Gates GlobalSpiral™ (GS) Couplings (-6 through -20)

Gates GlobalSpiral™ MAX (GSM) Pressure Couplings (-24 & -32)

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

#### Hose Specifications

Part Number		⊖			⊕		⊙		⊙		⊙		Length (m)	
Standard	MegaTuff	Dash	Inch	DN	Inch	mm	PSI	Bar	PSI	Bar	Inch	mm	Carton	Bulk
6EFG5K	-MTF	6	3/8	10	0.80	20.3	5,000	350	20,000	1,400	2.5	64	30	-
8EFG5K	-MTF	8	1/2	12	0.95	24.1	5,000	350	20,000	1,400	3.5	89	30	61
10EFG5K	-MTF	10	5/8	16	1.09	27.7	5,000	350	20,000	1,400	4.0	102	30	61
12EFG5K	-MTF	12	3/4	19	1.24	31.5	5,000	350	20,000	1,400	4.7	119	30	61
16EFG5K	-MTF	16	1	25	1.53	38.9	5,000	350	20,000	1,400	6.0	152	30	61
20EFG5K	-MTF	20	1-1/4	31	1.97	50.0	5,000	350	20,000	1,400	8.2	208	15	61
24EFG5K	-MTF	24	1-1/2	38	2.26	57.4	5,000	350	20,000	1,400	10.0	254	15	61
32EFG5K	-MTF	32	2	51	2.80	71.1	5,000	350	20,000	1,400	25.0	635	15	61

#### Additional Product

Hose Type	Couplings and Ferrules			Associated Protective Product						
	1 Piece Series	Gates		Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
2 Piece Series		Coupling	Ferrule							
6EFG5K	-	6GS	6GS1F-4	HSG-05	SGX20	HTG-18	TEXS27	SB29	16LG5K	6SC4
8EFG5K	-	8GS	8GS1F-4	HSG-07	SGX25	HTG-20	TEXS31	SB29	20LG5K	8SC4
10EFG5K	-	10GS	10GS1F-4	HSG-09	SGX25	HTG-22	TEXS36	SB34	22LG5K	10SC4
12EFG5K	-	12GS	12GS1F-4	HSG-10	SGX32	HTG-24	TEXS40	SB41	26LG5K	12SC4
16EFG5K	-	16GS	16GS1F-4	HSG-12	SGX40	HTG-30	TEXS47	SB48	-	-
20EFG5K	-	20GS	20GS1F-6	HSG-14	SGX50	HTG-38	TEXS60	SB60	-	-
24EFG5K	24GSM			HSG-15	SGX63	HTG-44	TEXS73	SB67	-	-
32EFG5K	32GSM			HSG-16	SGX75	HTG-64	TEXS93	SB79	-	-