

Section 1 Hydraulic Hose



EFG4K Spiral Wire Hose - SAE 100R12



4,000psi
280 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, SAE 100R12, EN 856 R12 and ISO 3862 Type R12.

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 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)

Child Super Crimp (S) Series Couplings

Refer 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
6EFG4K	-MTF	6	3/8	10	0.80	20.3	4,000	280	16,000	1,120	2.5	64	30	-
8EFG4K	-MTF	8	1/2	12	0.95	23.9	4,000	280	16,000	1,120	3.5	89	30	61
10EFG4K	-MTF	10	5/8	16	1.09	27.7	4,000	280	16,000	1,120	4.0	102	30	61
12EFG4K	-MTF	12	3/4	19	1.24	30.7	4,000	280	16,000	1,120	4.7	119	30	61
16EFG4K	-MTF	16	1	25	1.53	38.1	4,000	280	16,000	1,120	6.0	152	30	61
20EFG4K	-MTF	20	1-1/4	31	1.97	47.0	4,000	280	16,000	1,120	8.2	208	15	61

Additional Product

Hose Type	Couplings and Ferrules				Associated Protective Product						
	Gates		Child		Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
Standard	2 Piece Series Coupling	Ferrule	2 Piece Series Coupling	Ferrule							
6EFG4K	6GS	6GS1F-4	S	FNS-06	HSG-05	SGX20	HTG-18	TEXS27	SB29	16LG4K	6SC4
8EFG4K	8GS	8GS1F-4	S	FNS-08	HSG-07	SGX25	HTG-20	TEXS31	SB29	20LG4K	8SC4
10EFG4K	10GS	10GS1F-4	S	FNS-10	HSG-09	SGX25	HTG-22	TEXS36	SB34	22LG4K	10SC4
12EFG4K	12GS	12GS1F-4	S	FNS-12	HSG-10	SGX32	HTG-24	TEXS40	SB41	26LG4K	12SC4
16EFG4K	16GS	16GS1F-4	S	FNS-16	HSG-12	SGX40	HTG-30	TEXS47	SB48	32LG4K	16SC4
20EFG4K	20GS	20GS1F-4	S	FNS-20	HSG-14	SGX50	HTG-38	TEXS60	SB60	-	-