

## alfabiotech EVOLUTION 4000 Minetuff - E4K Hydraulic Hose



### E4K - 4 wire spiral

Exceeds SAE 100R12 sizes 3/4" and 1"  
Exceeds EN856 4SH sizes 1 1/2" and 2"  
ISO 18752/CC 1,000,000+ impulse cycles all sizes  
MSHA IC-152/16 approved flame resistance



### General Applications:

Developed to withstand very demanding conditions very high performance in pressure, pulsing and flexing.

### Construction:

**Tube** – Oil resistant synthetic rubber and biodegradable hydraulic fluids.

**Reinforcement** – Four high tensile steel spirals.

**Cover** – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

### Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)

### Branding:

ALFAGOMMA ALFABIOTECH EVOLUTION 4K MINETUFF ... WP 28 MPa (4000 PSI) - ISO 18752/CC - MSHA IC-152/16 - MADE IN ITALY

### Length:

Random up to 1" - 200 feet from 1 1/4" to 2"

## Nominal Specifications

Series Number	Size Code	ID		OD		Max Working Pressure† (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations				
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece		Two-Piece		
										Ferrule Non-Skive	Ferrule Skive & Interlock			
E4K	06	3/8	9.5	0.78	19.8	4000	2.95	75.0	0.42	S	D	AF4	AS4	
E4K	08	1/2	12.7	0.89	22.5	4000	3.54	90.0	0.42	S	D	AF4	AS4	
E4K	10	5/8	15.9	1.00	25.4	4000	3.94	100.0	0.60	S	D	AF4	AS4	
E4K	12	3/4	19.1	1.14	29.0	4000	4.72	120.0	0.66	S	D	AF4	AS4	
E4K	16	1	25.4	1.46	37.2	4000	5.91	150.0	1.00	S	D	AF4	AS4	YS2
E4K	20	1 1/4	31.8	1.74	44.2	4000	8.27	210.0	1.49	S			AS4	XF2 YS2
E4K	24	1 1/2	38.1	1.99	50.6	4000	9.84	250.0	1.76	S			AS4	XF2 YS2
E4K	32	2	50.8	2.55	64.7	4000	12.52	318.0	2.69	S			AS4	XF2 YS2

† Minimum burst pressure 4-to-1 safety factor.

**Freight:** Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

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