

# ABT6K - Alfabiotech 6000 MINETUFF



## Alfabiotech 6000 MINETUFF - ABT6K Hydraulic Hose

### ABT6K - 4 or 6 wire spiral

Exceeds EN856 4SP sizes 1/4", 3/8" and 1/2"

Exceeds EN856 4SH sizes 3/4" and 1"

Exceeds SAE 100R15 sizes 1" through 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/six 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 6K MINETUFF ... WP 45 MPa (6550 PSI) - ISO 18752/CC- MSHA IC- 152/16 - MADE IN ITALY

### Length:

Random up to 1" - 200 feet from 1 1/4" to 1 1/2" - 100 feet for 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 Skive	Ferrule Interlock	
ABT6K	4	1/4	6.4	0.68	17.3	6550	2.4	61.0	0.37	AS4		
ABT6K	6	3/8	9.5	0.79	20.1	6450	3.0	76.2	0.42	AS4		
ABT6K	8	1/2	12.7	0.91	23.0	6000	3.5	88.9	0.51	AS4		
ABT6K	10	5/8	15.9	1.11	28.2	6000	7.1	180.3	0.81		XF1	
ABT6K	12	3/4	19.1	1.24	31.4	6000	8.2	208.3	0.97	F	XF2	
ABT6K	16	1	25.4	1.50	38.2	6000	9.8	248.9	1.32	F	XF2	
ABT6K	20	1 1/4	31.8	1.94	49.3	6000	17.5	444.5	2.29	F	XF1	
ABT6K	24	1 1/2	38.1	2.22	56.5	6000	20.8	528.3	3.02		XF1	
ABT6K	32	2	50.8	2.80	71.0	6000	25.5	647.7	4.37		ZF1	

† 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.

HOSES  
ONE-PIECE B SERIES  
ONE-PIECE D SERIES  
ONE-PIECE F & P SERIES  
TWO-PIECE FERRULES (A & PFR SERIES)  
TWO-PIECE INSERTS (A SERIES)  
TWO-PIECE INTERLOCK FERRULES & INSERTS (X & Z SERIES)  
QUICK RELEASE  
ASSEMBLY EQUIPMENT  
TECHNICAL INFORMATION