



armored textiles incorporated

Formerly Jaffrey Fire Protection

MUNICIPAL FIRE HOSE

40 YEARS OF EXTRUDED
NITRILE HOSE TECHNOLOGY



US Safety Products

"Providing Safety Products to America's First Responders"

708/747-7639 Business/Fax
Email: sales@ussafetyproducts.com
www.ussafetyproducts.com

**municipal
fire
hose**



US Safety Products

"Providing Safety Products to America's First Responders"

708/747-7639 Business/Fax
Email: sales@ussafetyproducts.com
www.ussafetyproducts.com



SUITABLE FOR USE AND RECOMMENDED FOR FIRE FIGHTING ACTIVITIES IN:

- Municipal fire departments
- Industrial fire brigades
- Petro-chemical fire protection
- Shipboard fire fighting
- Municipal supply lines
- Well protection
- Emergency water supply lines

MEETS OR EXCEEDS: NFPA Standard 1961, current edition.

ONE PIECE CONSTRUCTION: Synthetic, single jacket with nitrile/PVC rubber lining and cover, made in a single extrusion eliminating risks of separation or blistering.

LAY FLAT HOSE

GREAT DURABILITY: Superior resistance to sea water, acids, oils, gasoline and ozone.

EXCELLENT: Abrasion and puncture resistant.

HIGHEST FLOW CAPABILITY: minimum friction loss: 5" hose has less than 10 psi at 1500 gpm.

ALL-WEATHER PERFORMANCE: From -36°F to +1200°F.

LIGHTWEIGHT: A 4" 100 foot coupled length weighs just 85 lbs.

HIGHER BED CAPACITY: Single jacket, one-piece construction, with maximum flexibility. Packs better in less space.

FIELD REPAIRABLE: Use our mechanical button patches or hose splices.

HIGH VISIBILITY COLORS: Standard in yellow and red.

STANDARD LENGTH: 100' and 50'

	Weight of 100 ft	Coil diameters	Service pressure	Acceptance pressure	Burst pressure	Coupling Bowl sizes
<i>inches</i>	<i>lbs</i>	<i>inches</i>	<i>psi</i>	<i>psi</i>	<i>psi</i>	<i>inches</i>
1"	16	15"/50'	300	600	900	1 3/16"
1 1/2"	34	16"/50'	300	600	900	1 3/4"
1 3/4"	38	16"/50'	300	600	900	2 1/16"
2"	42	17"/50'	300	600	900	2 9/32"
2 1/2"	53	19"/50'	300	600	900	2 13/16"
3"	70	23"/50'	300	600	900	3 5/16"
4"	85	25"/100'	200	500	700	4 9/32"
5"	109	27"/100'	200	400	600	–
6"	135	32"/100'	200	400	600	–



jafline



SUITABLE FOR USE AND
RECOMMENDED FOR FIRE
FIGHTING ACTIVITIES IN:

- Municipal fire departments
- Industrial fire brigades
- Attack and supply lines

Nominalø	Weight of 100 ft in	Coil diameters	Service pressure	Acceptance pressure	Burst pressure	Coupling Bowl sizes
<i>inches</i>	<i>lbs</i>	<i>50'</i>	<i>psi</i>	<i>psi</i>	<i>psi</i>	<i>inches</i>
1 1/2"	26	15.5"	400	800	1200	1 15/16"
1 3/4"	30	15.5"	400	800	1200	2 1/8"
2"	37	15.75"	400	800	1200	2 15/32"
2 1/2"	47	17"	400	800	1200	3"
3"	54	19"	400	800	1200	3 1/2"
4"	77	26"	300	600	900	
5"	98	26"	300	600	900	

MEETS OR EXCEEDS NFPA:

Comprehensive fire hose standard 1961, 1997 edition.

DOUBLE JACKET CONSTRUCTION:

Synthetic double jacket with thermoplastic lining, can be untreated or coated in yellow, red, orange, blue, tan or green.

LAY FLAT HOSE

HIGH BURST RATING: 1200 psi up to 3" diameters, 900 psi for larger diameters.

ALL-WEATHER PERFORMANCE: Retains pliability down to -40° F.

ULTRA LIGHTWEIGHT: A 1 3/4" 50 foot coil weighs under 16 lbs.

SPACE SAVING: Takes up to 20% less space than rubber lined hose.

MAINTENANCE FREE: Immune to mildew and rot.

STANDARD LENGTH: 100' and 50'.

jafline HD



SUITABLE FOR USE AND
RECOMMENDED FOR FIRE FIGHTING
ACTIVITIES IN:

- Municipal fire departments
- Industrial fire brigades
- Shipboard fire fighting
- Attack and supply lines

Nominalø	Weight of 100 ft in	Coil diameters	Service pressure	Acceptance pressure	Burst pressure	Coupling Bowl sizes
<i>inches</i>	<i>lbs</i>	<i>50'</i>	<i>psi</i>	<i>psi</i>	<i>psi</i>	<i>inches</i>
1 1/2"	36	17"	400	800	1200	1 15/16"
1 3/4"	40	18"	400	800	1200	2 1/8"
2"	48	20"	400	800	1200	2 5/8"
2 1/2"	68	21"	400	800	1200	3"
3"	84	22"	400	800	1200	3 17/32"

MEETS OR EXCEEDS NFPA:

Comprehensive fire hose standard 1961, 1997 edition.

DOUBLE JACKET CONSTRUCTION:

Synthetic double jacket with synthetic, ozone resistant rubber lining, can be untreated or coated in yellow, red, orange, blue, tan or green.

LAY FLAT HOSE

HIGH BURSTING RATING: 1200 psi up to 3" diameters, 900 psi for larger diameters.

ALL-WEATHER PERFORMANCE: Retains pliability to -40°F.

ULTRA LIGHTWEIGHT: A 1 3/4" 50 foot coil weighs under 20 lbs.

MAINTENANCE FREE: Immune to mildew and rot.

STANDARD LENGTH: 50'



armored JAFX4



MEETS OR EXCEEDS NFPA: Meets all current NFPA 1961 and 1962 fire hose standards.

ONE PIECE CONSTRUCTION: 100% high tenacity synthetic yarn circular woven and completely protected and locked-in by tough highly resistant synthetic rubber.

LAY FLAT HOSE: Revolutionary technique of manufacture, a co-extrusion process creating a **“FOUR LAYER HOSE IN ONE OPERATION,”** without the use of glues or adhesives, thereby forming a homogeneous hose product, which cannot delaminate.

GREAT DURABILITY: Excellent resistance to heat, ozone, weather, most chemical products (acids, bases, salts, oils, solvents, etc.), flame, wear, tear, puncture and abrasion.

ABRASION RESISTANCE: In very extreme environmental conditions where abrasion is the most serious concern, JAFX4 offers an extended hose life.

HIGHEST FLOW CHARACTERISTICS: The JAFX4 co-extrusion construction hose has a special rubber compound of very high flexibility and smooth inner finish for low-pressure loss. This specially developed synthetic rubber compound has been proven to minimize the risks of puncture and abrasion. JAFX4 provides excellent dilation characteristics allowing high flow and high resistance to kinking.

ALL-WEATHER PERFORMANCE: From -36° F to +1200° F without hose damage or bursting.

LIGHTWEIGHT: A 4” 100 foot length weighs just 87 lbs. coupled.

FIELD REPAIRABLE: Cover damage, small holes and punctures are repairable with patches.

HIGH VISIBILITY: yellow for fireground operations.

COUPLED with aluminum expansion NST or Storz. Special threads available. All couplings meet NFPA Coupling Standard 1963, current edition.

BOXED INDIVIDUALLY in 50 foot and 100 foot lengths for easy shelf storage and shipping.

STANDARD LENGTHS: 100’, 50’ and 25’. Longer lengths available upon request.

HIGHLY FUNCTIONAL FOR:

- Municipalities
- General Industry
- Refineries, Chemical and Utility Industries
- Shipboard
- Wherever safety and environmental exposure are concerns

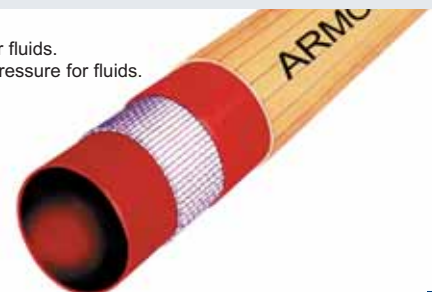
Diameter	Working Pressure**		End Pull*** lb	Weight lb/ft	Thickness Inch	Bend Radius at Wp ft
	psi	K Pa				
1 1/2"	300	21	2351	0.294	0.106	3.61
1 3/4"	300	21	2601	0.341	0.106	4.20
2"	300	21	2910	0.381	0.106	4.27
2 1/2"	300	21	4012	0.514	0.114	4.51
3"	300	21	4740	0.661	0.130	4.76
4"	250	18	8818	0.868	0.134	6.56
5"	250	18	11464	1.122	0.134	7.71

* Dimensional tolerance= Nominal Diameter + 0.080" minimum

** Minimum burst pressure safety factor of 3 to 1 over working pressure for fluids.

Minimum kink resistance pressure safety factor of 2 to 1 over working pressure for fluids.

*** Figures represent 35% of Total Effective Tensile Strength.



US Safety Products

Business/Fax 708/747-7639 www.ussafetyproducts.com
Email: sales@ussafetyproducts.com

life line



Life Line hose is designed for aggressive attack purposes. Specially constructed for interior fire attack operations.

MEETS OR EXCEEDS NFPA: This hose is manufactured in accordance with NFPA 1961, current edition.

CONSTRUCTION: Consists of a 100% synthetic filament yarn outer jacket over an inner lining consisting of an extruded nitrile rubber through the hose weave. The inner hose is designed for low friction loss and water pick up. The outer jacket is woven in a circular loom with high tenacity polyester yarn.

LAY FLAT HOSE

BURST PRESSURE: 1500 PSI

HIGH level of abrasion resistance.

HIGH RESISTANCE TO: Oils / Hydrocarbons and grease / Water and sea water / Most chemical materials

LIGHTWEIGHT: A 1 3/4" 50 foot coupled hose weighs just 18 lbs.

COUPLED with blue expansion NST

COLOR: White with 2 blue stripes running lengthwise

STANDARD LENGTH: 50'

SUITABLE FOR USE AND HIGH RESISTANCE TO:

- Aggressive interior fire attack operations
- High durability and heat exposure applications
- Applications where heat, wear and chemical exposures are extreme

I.D.	SERVICE test	PROOF test	STRAIGHT burst	CURVED burst	KINK burst	FRICTION LOSS test	WEIGHT coupled	COIL SIZE 50 ft
<i>inch</i>	<i>psi</i>	<i>psi</i>	<i>psi</i>	<i>psi</i>	<i>psi</i>	<i>psi/100 ft</i>	<i>lbs/50 ft</i>	<i>inch</i>
1 3/4	500	1000	1500	1500	750	22	18	16.5

armored reel



SUITABLE FOR USE AND RECOMMENDED FOR FIRE FIGHTING ACTIVITIES IN:

- Municipal, volunteer and industrial firefighting
- Replaces traditional booster hose foot for foot
- Any type of firefighting reel application
- Skid units, booster reels, industrial reels, forestry, wildland applications, portable pumps

EXPANSION AT PROOF PRESSURE	< 5%
ELONGATION AT PROOF PRESSURE	< 5%
WARP AT PROOF PRESSURE	< 20 inch
RISE AT PROOF PRESSURE	0 inch
SERVICE TEST PRESSURE	300 psi
PROOF PRESSURE	500 psi
STRAIGHT BURST PRESSURE	1500 psi
FM ABRASION TEST	< 15000 cycles
MINIMUM BEND RADIUS AT 225 psi/15 bar	3 inch 8 inch
MINIMUM INTERNAL REEL	18.2 lb
COIL VOLUME 100 FT	1 5/16 inch

Attack hose that performs like a rigid reel hose

MEETS OR EXCEEDS: NFPA Standard 1961, current edition.

CONSTRUCTION:

Continuous high tenacity polyester woven jacket in a plain weave combined with a rigid and heavy polyester helical interior reinforcement. A 0.023" extruded PU gives extremely good handling to this hose.

BURST PRESSURE: 1500 PSI

THE PU COMPOUND:

of the inner liner is flexible between -58°F and +180°F.

LIGHTWEIGHT:

A 1" 100 foot coil weighs just 9.9 lbs.

COUPLED: Field replaceable (field repairable) NST expansion.

COLOR: Red

STANDARD LENGTHS: 150', 100' and 50'



US Safety Products
 Business/Fax 708/747-7639 www.ussafetyproducts.com
 Email: sales@ussafetyproducts.com

forest lite

SUITABLE FOR USE AND RECOMMENDED FOR FIRE FIGHTING ACTIVITIES IN:

- All wildland and forestry applications
- Wildland and brush vehicles
- Attack and supply lines

DIAMETER	1 inch	1 1/2 inch
SERVICE TEST	300 psi	300 psi
KINK	550 psi	550 psi
PROOF TEST	600 psi	600 psi
BURST STRAIGHT	900 psi	900 psi
TWIST	9 turns/50 ft	7 turns/50 ft
WARP	20 psi	15 psi
RISE	0 psi	0 psi
WEIGHT UNCOUPLED	4.0 lb/50 ft	6.0 lb/50 ft
COUPLING BOWL	1 3/16 inch	1 11/16 inch
COIL DIAMETER 50 FT	11.0 inch	11.0 inch

Single jacket forestry hose

MEETS OR EXCEEDS:
US Forest Service F-187 standard

CONSTRUCTION: Circular woven, single jacket 100% high tenacity polyester. Warp and weft: High tenacity polyester yarn. Lining: Extruded P.U. with 0.014" thickness

BURST PRESSURE: 900 psi

LIGHTWEIGHT: 1 1 1/2" 50' coil weighs just 6 lbs.

Immune to mildew and rot.

COUPLED: 1/4 turn instantaneous / expansion NST

COLOR: White

STANDARD LENGTHS: 100' and 50'

- Available with NH, NPSH or quick connect F-187 forestry couplings

genfo bag



4 GALLON FLEXIBLE BACKPACK WATER EXTINGUISHER

- Forestry and wildland
- Fire/wildland mop-up and exposure
- Replaces Indian Tank and is extremely lightweight

Thermo-welded flexible water tank, made with canvas reinforced with synthetic yarns

Very efficient and easy to use

Excellent to control, mop and extinguish forest fires

Easy to store and transport

viper nozzles

VIPER FIRE EQUIPMENT



- Compact and lightweight fire nozzles
- Simple and efficient engineering
- Easy repair (maintenance)
- Secure and durable, tested individually
- Ergonomic design for easy operation

- All municipal, wildland and industrial firefighting applications
- Select, automatic and constant gallonage models available

Pictured: Select gallonage nozzle 30-125 GPM



US Safety Products

Business/Fax 708/747-7639 www.ussafetyproducts.com
Email: sales@ussafetyproducts.com



warranty

ALL ARMORED TEXTILES MUNICIPAL FIRE HOSES HAVE
A FULL TEN-YEAR WARRANTY AGAINST DEFECTS IN
MATERIALS AND WORKMANSHIP.

AVAILABLE UPON REQUEST:

- Warranty details.
- Hose specification data.
- Chemical resistance chart.
- Friction loss data.



US Safety Products

"Providing Safety Products to America's First Responders"

708/747-7639 Business/Fax
Email: sales@ussafetyproducts.com
www.ussafetyproducts.com