



Municipal Fire Hose Catalog



***Serving America's Best
for over 50 years.***

ATI's Most Advanced Structural Firefighting Attack Line

COLORS:



ARMTEX® HP

- Resists burn-through for a full minute*
- Perfect fit of outer jacket and inner tube
- High tenacity polyester/polyamide outer jacket
- Oversized inner jacket for increased water flow
- Lower friction loss than other double jacket hoses
- Exceptional heat and cut resistance

- Outstanding kink resistance
- Ideal for low pressure combination straight stream/fog nozzles
- Available as 1 3/4" attack line and 2 1/2" master flow line.
- Meets or exceeds NFPA Standard on Fire Hose (current edition)
- 10 year warranty

Construction – Composed of an outer jacket woven from 100% high tenacity synthetic yarn and an inner liner consisting of a one-piece extruded through the weave nylon reinforced NBR rubber tube.

Burn-Through Resistance – Boasts outstanding burn-through resistance, being capable of withstanding a surface temperature in excess of 1100° F for a minimum of one minute*, at a static pressure of 100 psi, without damage or rupture to the synthetic reinforcement.

Burst Resistance – Will not burst catastrophically even with a puncture through both the outer jacket and liner.

Cold Resistance – Cold resistant to -40° F.

Lengths – Available in 50' and 100' lengths.



Size (in)	Color(s)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1 3/4	Florescent Yellow, Army Green, Fire Engine Red, Blue Devil Blue	2 1/8	500	1000	1500	0.40
2 1/2	Florescent Yellow, Blue Devil Blue	3	400	800	1200	0.60

*As per BS 6391, heat resistance test.

The World's TOUGHEST Fire Hose



COLORS:



JAFX4

- Revolutionary co-extrusion technology creates a “Four Layer Hose In One Operation” without the use of glues or adhesives thereby forming a homogeneous hose which cannot delaminate.
- Resists burn-through
- Super resistant to abrasion
- UL19 & Can/ULC-S511-14 Certified – 1 1/2”, 1 3/4”, 2”, 2 1/2”
- Excellent resistance to heat, ozone, weather, most chemicals (acids, bases, salts, oils, solvents, etc.), flame, wear, tear and puncture.
- Highly flexible and smooth inner lining provides excellent dilation characteristics with low friction loss and high kinking resistance.
- Meets or exceeds NFPA Standard on Fire Hose (current edition)
- 10 year warranty

Applications –

- Active Municipal Departments
- Heavy Industrial Municipalities
- Refining, Chemical, Utility Industries
- Coarse, Abrasive Landscapes
- Marine Environments
- Daily Use Applications such as washdown and sewage treatment plants

Lengths – Available in 50' and 100' lengths.



Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1	1 3/16	580	1160	1740	0.160
1 1/2	1 3/4	300	600	900	0.296
1 3/4	2 1/16	300	600	900	0.343
2	2 9/32	300	600	900	0.390
2 1/2	2 13/16	300	600	900	0.517
4	4 17/32	250	500	750	0.874
5	5 3/8	250	500	750	1.109

ARMTEX®

JAFRIB

Reinforced Extruded Rubber Lay Flat Fire Hose

COLORS:



ARMTEX® JAFRIB

- Superior nitrile/PVC rubber hose for use in supply and attack operations
- Resistant to petroleum, chemicals, and abrasion
- UL19 & Can/ULC-S511-14 Certified*
- Specially Designed For Municipal Fire Departments, Navies, Petrochemical, Nuclear Plants, & Other Industrial Services

- Reliable & Robust
- Lightweight & Flexible
- Fast Deployment & Retrieval
- Meets or exceeds NFPA Standard on Fire Hose (current edition)
- 10 year warranty

Construction – Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend extruded through the weave and forming a single homogenous construction without the use of glues or adhesives.

Lining Properties – The tensile strength of the lining and cover shall not be less than 1750 PSI (12,000 kPa), with an ultimate elongation of liner and cover not less than 450%.

Accelerated Aging – Lining specimens subjected to an exposure of 158°F ± 3.6°F, for a duration of 96 hours shall be conditioned as per ASTM

D 573, Standard Test Method for Rubber - Deterioration in an Air Oven. Then, the specimens shall be tested to ASTM D4112, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers- Tension, Method A. Upon evaluation, the tensile and elongation properties of the liner shall not be less than 75% of their initial values.

Abrasion Resistance – As stated in NFPA 1961 (UL 19 & FM 2111), hose shall withstand 1-1/2 times the service test pressure without rupturing or breaking any thread in the jacket or reinforcement after 300 cycles of abrasion for a single jacketed hose. Hose assembly shall also not leak or burst after 3000 cycles by an abrasion wheel.

Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1†	1 3/16	300	600	900	0.13
1 1/2	1 3/4	300	600	900	0.30
1 3/4	2 1/16	300	600	900	0.32
2	2 9/32	300	600	900	0.38
2 1/2	2 13/16	300	600	900	0.45
3	3 5/16	300	600	900	0.64
4	4 17/32	250	500	750	0.81
5	5 3/8	225	450	675	0.94
6	6 3/8	200	400	600	1.28

* UL 19 & CAN/ULC-S511-14 certified models - All except the 1" and the 6"

† 1" Jafrib is a dark yellow





COLORS:



ARMTEX® ONE

- Specially Designed for Firefighting
- Fast Deployment and Retrieval
- 1 ½" and 2 ½" are FM Approved
- Resistant to petroleum, chemicals, and ozone

- Withstands a surface temperature of 1112° F (600°C) for a minimum of two minutes without rupture or damage to the synthetic reinforcement when subjected to static pressure of 100 psi (700 kPa)
- 10 year warranty

Applications – Designed and recommended for firefighting in municipal and industrial fire departments, petrochemical and nuclear plants, navies and other industrial services.

Construction – Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave and forming a single homogenous construction without the use of glues or adhesives.

Lining Properties –

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1750 psi (12,000 kpa).
- Ultimate Elongation: 450% minimum.

Abrasion Resistance – In very extreme conditions where abrasion is the most serious concern ARMTEX® ONE will extend hose life. Excellent abrasion resistance when tested according to FM2111 and UL19 abrasion tests..

Service Temperature Range – -4°F (-20°C) to 176°F (80°C). Special versions for higher and lower temperatures available upon request.

Lengths – Standard 50 ft and 100ft. Special lengths such as 200 ft, 330 ft and 660 ft available on request.

Sizes – 1" (R & Y), 1 ½", 2 ½"

Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1*	1 3/16	580	1160	1740	0.13
1 ½	1 3/4	300	600	900	0.22
2 ½	2 13/16	250	500	750	0.38

* 1" is available in Red and Yellow, all others are red only.

ARMTEX® ATTACK

Lightweight All-Polyester Double Jacket
Rubber Lined Fire Hose

COLORS:



ARMTEX® ATTACK

High Tensile Strength Polyester Double Jacket & EPDM Rubber-Lined Fire Attack Hose

Construction – Double-jacket polyester hose with a synthetic EPDM rubber ozone resistant lining. ARMTEX™ ATTACK is available in the sizes of 1 ½", 1 ¾", 2", 2 ½", and 3". Jacket color options include yellow, orange, red, blue, green and white.

Service Temperature – Remains flexible at temperatures as low as -40°F (-40°C).

Abrasion Resistant Jacket – Designed with superior abrasion resistance and kink resistance to resist damage from constant working conditions, even when using low pressure and straight bore nozzles. A smooth waterway surface for lower friction loss.

Ultra-Lightweight – ATI's lightest weight rubber-lined hose. An 1-¾" 50'+ coil weighs just 17 lbs.

Packs Tight – ATI's best packing and easiest to fold double-jacket, rubber-lined hose.

Maintenance Free – Immune to mildew and rot.

Applications –

- Municipal fire departments
- Industrial fire brigades
- Shipboard fire fighting

Lengths – Available in 50' and 100' lengths.

Warranty – 10 Year Warranty

Meets or exceeds NFPA Standard on Fire Hose (current edition)

Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1 ½	1 15/16	400	800	1200	0.30
1 ¾	2 1/8	400	800	1200	0.34
2	2 15/32	400	800	1200	0.44
2 ½	3	400	800	1200	0.50
3	3 ½	400	800	1200	0.62

† Weight includes couplings

Lightweight All-Polyester Double Jacket
Polyurethane Lined Fire Hose

COLORS:



ARMTEX® ATTACK LITE

High Tensile Strength Polyester Double Jacket & Polyurethane-Lined Fire Attack Hose

Construction – Double-jacket polyester hose with a polyurethane lining. ARMTEX™ ATTACK LITE is available in the sizes of 1 ½", 1 ¾", 2", 2 ½", and 3". Jacket color options include yellow, orange, red, blue, green and white.

Service Temperature – Remains flexible at temperatures as low as -40°F (-40°C).

Ultra-Lightweight – ATI's lightest weight polyurethane-lined hose. An 1 ¾" 50'† coil weighs 15 lbs.

Packs Tight – ATI's best packing and easiest to fold double-jacket hose.

Maintenance Free – Immune to mildew and rot.

Applications –

- Municipal fire departments
- Industrial fire brigades
- High rise packs

Lengths – Available in 50' and 100' lengths.

Warranty – 10 Year Warranty

Meets or exceeds NFPA Standard on Fire Hose (current edition)

Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1 ½	1 15/16	400	800	1200	0.28
1 ¾	2 1/8	400	800	1200	0.30
2	2 15/32	400	800	1200	0.44
2 ½	3	400	800	1200	0.46
3	3 ½	400	800	1200	0.53

† Weight includes couplings

Jafline HD

All polyester, double-jacket fire hose with an EPDM rubber lining

COLORS:



Jafline HD

- **Double-Jacket Construction:** Jafline HD is an all polyester double-jacket hose with an EPDM rubber ozone resistant lining
- **High Burst Rating:** 1200 psi up to 3" diameter.
- **Superior Performance:** Very low friction loss.
- **Maintenance Free:** Immune to mildew and rot.
- **Coated for Better Durability:** All colored hose is impregnated with our tough heat-set polymer coating for the best abrasion resistance.
- **All-Weather Performance:** Retains pliability to -40°F.
- **Lightweight:** An 1 ½" 50'± coil weighs just 17 lbs.
- **Available in yellow, red, orange, blue, tan, green and white.**
- **Meets or exceeds NFPA Standard on Fire Hose (current edition)**
- **10 year warranty**

Applications –

- Municipal fire departments
- Industrial fire brigades
- Shipboard fire fighting

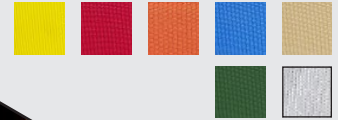
Lengths – Available in 50' and 100' lengths.

Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1	1 7/16	400	800	1200	0.24
1 ½	1 15/16	400	800	1200	0.32
1 ¾	2 1/8	400	800	1200	0.38
2	2 15/32	400	800	1200	0.46
2 ½	3	400	800	1200	0.56
3	3 ½	400	800	1200	0.74
4	4 17/32	300	600	900	0.82
5	5 15/32	300	600	900	0.95

† Weight includes couplings

All polyester, double-jacket fire hose with polyurethane lining

COLORS:



Jafline

- **Double-Jacket Construction:** Jafline is an all polyester double-jacket hose with a polyurethane lining
- **High Burst Rating:** 1200 psi up to 3" diameter, 900 psi for larger diameters.
- **Superior Performance:** Very low friction loss.
- **Maintenance Free:** Immune to mildew and rot.
- **Coated for Better Durability:** All colored hose is impregnated with our tough heat-set polymer coating for the best abrasion resistance.
- **All-Weather Performance:** Retains pliability to -40°F.
- **Very Lightweight:** This is ATI's lightest weight American made hose. A 1 1/2" 50'+ coil weighs under 15 lbs.
- **Available in yellow, red, orange, blue, tan, green and white.**
- **Meets or exceeds NFPA Standard on Fire Hose (current edition)**
- **10 year warranty**

Applications –

- Municipal fire departments
- Industrial fire brigades
- Attack and supply lines
- High rise packs

Lengths – Available in 50' and 100' lengths.

Size (in)	Bowl Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs/ft) Uncoupled
1 1/2	1 15/16	400	800	1200	0.28
1 3/4	2 1/8	400	800	1200	0.34
2	2 15/32	400	800	1200	0.40
2 1/2	3	400	800	1200	0.52
3	3 1/2	400	800	1200	0.74
4	4 17/32	300	600	900	0.82
5	5 15/32	300	600	900	0.93

† Weight includes couplings



FOREST LITE TYPE 1

Forest Lite Type 1 is a single jacket, polyurethane lined lightweight hose intended for use in wildland fire suppression. It meets or exceeds *NFPA 1961 Fire Hose Standard*, current edition as well as U.S. Forest Service F-187 standard.

Jacket Construction – The jacket is virgin high tenacity polyester.

Lining – The Thermoplastic extruded PU interior lining shall be a single-ply extruded tube and shall be unaffected by ozone. The finished form shall be free of pits or other imperfections and shall have a smooth finish. No reclaimed material shall be used.

Couplings – Expansion-type hardcoat anodized aluminum. NST, NPSH, or Quarter-Turn couplings are available.

Colors – White

Lengths – Available in 50' and 100' lengths.

Ease of Packing – Lightweight, extremely flexible and easy to pack



FOREST LITE TYPE 2

Forest Lite Type 2 is a single jacket, polyurethane lined lightweight hose intended for use in wildland fire suppression. It meets or exceeds *NFPA 1961 Fire Hose Standard*, current edition as well as U.S. Forest Service F-187 standard.

Jacket Construction – The jacket is a combination of 100% virgin synthetic high tenacity virgin synthetic yarn and spun yarn. The jacket is thoroughly impregnated with a polymer compound, yellow in color, to provide superior resistance to chemicals, abrasion and ultra-violet light. Hose shall be firm in texture, flexible and free from knots, lumps and irregularities. The jacket shall be treated to be resistant to mildew.

Lining – The Thermoplastic extruded PU interior lining shall be a single-ply extruded tube and shall be unaffected by ozone. The finished form shall be free of pits or other imperfections and shall have a smooth finish. No reclaimed material shall be used.

Couplings – Expansion-type hardcoat anodized aluminum. NST, NPSH, or Quarter-Turn couplings are available.

Colors – Yellow

Lengths – Available in 50' and 100' lengths.

Ease of Packing – Lightweight, extremely flexible and easy to pack

Size (in)	Service Test PSI	Proof Test PSI	Burst Test PSI	Weight (lbs.) 50' Uncoupled
1	300	600	900	4
1 ½	300	600	900	7

ATI warranties both the hose and couplings to be free from defects in material and workmanship for a period of 1 years. Upon evaluation, apart from mistreatment that would make it unfit for service, hose found to be defective will be repaired or replaced by ATI at no charge to the fire department.



ARMORED REEL

FOREST LITE MOP UP



ARMORED REEL

COLORS:  

Armored Reel is a one-inch, polyester jacketed, lightweight semi-rigid hose, intended to replace the heavy rubber hose traditionally used as a booster line. Like booster line, Armored Reel can be charged while on the reel. It meets or exceeds *NFPA 1961 Fire Hose Standard, current edition*.

Applications – Suitable for use and recommended for skid units, booster reels, industrial reels, forestry and wildland applications.

Jacket Construction – The hose is single jacket, constructed with 100% continuous, virgin high tenacity polyester that is circular woven. The outer jacket is thoroughly impregnated with a polymer compound to seal the jacket and provide superior resistance to chemicals, abrasion, oil and ultra-violet light. Compound is heat set at 250° F.

Lining – The synthetic lining is extruded polyurethane, combined with a helical interior reinforcement. The lining is compounded to resist deterioration from ozone. No reclaimed

material is used. The finished form shall be free of pits or other imperfections, resulting in a smooth lining that reduces friction loss.

Couplings – Expansion-type couplings. Field attachable couplings are available.

Size (in)	Pressure PSI	Service Test PSI	Burst Test PSI
1	300	600	900

Lengths – Available in 50', 100', 150' and 200' lengths.

Colors – Red, Yellow



FOREST LITE MOP-UP

Forest-Lite Mop-Up is a 3/4" diameter lightweight, compact single jacket hose. The optional polymer treatment greatly increases abrasion, heat, and flame resistance while virtually eliminating water pick-up. With 50' of forestry fire hose weighing just 2 lbs. and a coil diameter of approximately 9 inches, this hose can be taken almost anywhere.

Construction – High tenacity filament polyester as warp and weft, thermoplastic polyurethane (TPU) liner.

Application – Light duty fire hose, supply sprinklers, remote fireline protection.

Color – White, yellow

Couplings – HD Brass GHT threaded ends

Lengths – Available in 50' and 100' lengths.

Size (in)	Service Test PSI	Burst Test PSI
3/4	300	900



A Proven History of Hose Quality and Durability

Located in Peterborough, New Hampshire, Armored Textiles Fire Products (ATI), has supplied fire hose to municipal and industrial fire departments throughout the U. S. and Canada for over 50 years.

In 2001, ATI purchased the fire hose lines of thirty five year old Jaffrey Fire Protection, which pioneered the use of LDH (large diameter hose) and developed innovative water supply methodologies for fighting fires in rural environments. ATI's municipal product line includes nitrile rubber hose in diameters ranging from one to six inches, and double-jacket hose from one to five inches. Armored Textiles Fire Products also distributes our line of fire nozzles and accessories that provides a complete line of fire suppression products for the North American Firefighter.

ATI municipal fire hose and fittings conform to NFPA standards, and carry a 10-year non pro-rated warranty for materials and workmanship. Our forestry hoses carry a one year materials and workmanship warranty.



ATI FIRE PRODUCTS

9 Vose Farm Road | Peterborough, NH 03458

Tel: 603-924-2122 | Toll-Free 1-888-229-9655 | Fax: 603-924-2322

e-mail: sales@atifireproducts.com | web: atifireproducts.com

A Part of the Kuriyama Group of Companies



ATI reserves the right to modify any specification without prior notice to meet or exceed changing standards. Special diameters or construction characteristics can be produced upon special request. Contact your local dealer or ATI at: sales@atifireproducts.com