



39 Webster Street
 P.O. Box 309
 Jaffrey, NH 03452
 1-888-229-9655
www.armtexinc.com

Life Line

Life Line is a specially designed hose for aggressive, interior fire attack operations. With its 4 layer construction, Life Line outperforms traditional attack lines with increased pressure capabilities, abrasion resistance, heat resistance, and flow characteristics.

Meets or Exceeds NFPA comprehensive fire hose standard 1961, 1997, current edition.

Jacket Construction: The outer jacket is constructed of 100% virgin spun polyester, with high tenacity polyester filament yarns in the weft. The jacket is identified by two blue stripes woven into the jacket. Outer jacket materials have proven strength with low water pick-up.

Lining: The synthetic rubber lining shall be made from premium grade Nitrile rubber compounded to resist deterioration from ozone. No reclaimed material may be used for the making of the liner. The liner construction is ultimately a 3-part construction, produced by extruding the premium nitrile compound through the weave of the woven textile reinforcement. This process forms a permanent bond between layers without the use of adhesives to ensure a permanent bond that will not delaminate. Tensile strength of liner will not be less than 1700 psi, with a minimum elongation of 400%.

Accelerated Aging: Lining specimens subjected to ASTM D 573 "Test Methods for Rubber Deterioration in an Air Oven," retained 75% of their original values for tensile strength and elongation.

Couplings: Couplings are hardcoated lightweight aluminum in matching "Acucoat" Blue. All couplings meet NFPA 1963, current edition.

Hydrostatic Tests:

I.D.	Service	Proof	Burst	Friction Loss	Coil Size 50ft	Weight coupled
inches	psi	psi	psi	psi/100 ft	inches	lb/50 ft
1 3/4"	500	1000	1500	22	16.5	18

All tests performed in compliance with NFPA 1961 (Standards on Fire Hose), and ASTM D-30 (Standard Test Methods for Rubber Hose). All hoses are in compliance with NFPA 1961 (Latest Edition) requirements for Double Jacket, 800psi Proof Test Pressure, Attack Grade Fire Hose.

Abrasion Resistance: Outer jacket must withstand a minimum of 2,800 cycles on the Taber Abraser with no abrasion through the filler yarn. H-22 Calibrade wheel to be used with 1,000 gram load on each wheel. The hose shall also withstand Underwriters Laboratory Abrasion Test. Inner liner to withstand more than 15,000 cycles.

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Cold Resistance: Hose shall have the capability of use down to -40 degrees Fahrenheit. There shall be no apparent damage to jacket or lining when subjected to the following cold bend test: A 3-foot section of hose shall be exposed to a temperature of -40 degrees F. for a period of 24 hours. At the end of the exposure period, the hose shall be rapidly bent 180 degrees back onto itself, first one way and then the other. Following this procedure, the hose shall not leak, nor show any damage to the jacket when subjected to the burst pressure shown above.

Ozone Resistance: Hose liner shall show no signs of cracking under 7x magnification when tested in accordance with ASTM D1149-86 (samples prepared in accordance with ASTM D518-86, procedure C). Exposure shall be at 15% elongation for 120 hours at 150pphm ozone at 122 degree F.

Colors: White with blue woven stripes and matching couplings.

Warranty: ATI warrants both the hose and couplings to be free from defects in material and workmanship for a period of **10 years**.