

Reinforced Extruded Rubber Lay Flat Fire Hose

COLORS:

Yellow

Brick Red



ARMTEX® JAFRIB

- Superior nitrile/PVC rubber hose for use in supply and attack operations
- Resistant to petroleum, chemicals, and abrasion
- Meets or exceeds NFPA 1961 Fire Hose Standard, 2020 edition
- UL19 & Can/ULC-S511-14 Certified

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%.

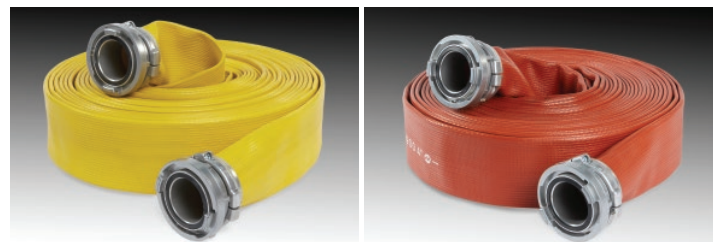
Accelerated Aging – Lining specimens subjected to an exposure of 158°F ± 3.6°F, for a duration of 96 hours shall be conditioned as per ASTM D 573, Standard Test Method for Rubber – Deterioration in an Air Oven. Then, the specimens shall be tested to ASTM D4112, Standard Test Methods for Vulcanized Rubber 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.

- Specially Designed For Municipal Fire Departments, Navies, Petrochemical, Nuclear Plants, & Other Industrial Services
- Reliable & Robust
- Lightweight & Flexible
- Fast Deployment & Retrieval

Cold Resistance – Hose shall have a capability of use down to -35 °F (-37° C)*. There shall be no apparent damage to hose when subjected to the following cold bend test: A 3-foot section of hose shall be exposed to a temperature of -35° 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 when subjected to the burst pressure shown.

** A low-temperature version hose is available and recommended in extremely cold weather conditions.*



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ATI reserves the right to modify any specification without prior notice to meet or exceed changing standards. Unique diameters or construction characteristics can be produced upon special request. Contact your local dealer or ATI at: sales@atifireproducts.com or 888.229.9655.

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Heat Resistance – The ability of the hose to resist heat shall be verified using the test procedures defined in UL 19, Lined Fire Hose and Hose Assemblies, Heat-Resistance Test and FM Class Number 2111, Factory Mutual Approval Standard for Fire Hose, Heat Resistance. Hose shall withstand 1112° F (600°C) for at least two minutes without bursting when subjected to a static pressure of 100 PSI (700 kPa), as per BS 6391, heat resistance test.

Ozone Resistance – No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518-86, Standard Test Method for Rubber Deterioration-Surface Cracking, Procedure B, 100pphm/104°F (40°C).

Chemical Resistance – Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils and greases has no effect on the short or long term performance of the hose. A chemical resistance chart is available and ATI will supply specific chemical resistance data when requested by the purchaser for unique applications.

Color – Brick Red & Yellow are standard. Other colors are available upon request.

Branding – Beginning at a point not less than 5' ± 6" from each end, each length shall be stenciled with the manufacturer's identification, country of origin, month and year of manufacture per NFPA 1961.

Lengths – Standard 50' (15m), 100' (30m). Special lengths up to 660ft (200m) are also available upon request.

Inspection and Care – NFPA advises users to develop a fire hose inspection and care program based on NFPA 1962, Standard for the Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose, 2018 edition. Such program should also address the retirement of fire hose.

Warranty – ATI warranties the hose to be free from defects in material and workmanship for a period of 10 years. Upon evaluation, hose found to be defective will be repaired or replaced by ATI or the distributor at no charge to the fire department.

Couplings – As requested by purchaser; expansion-type, Storz, etc.

Part Number	Color	Nominal Inner Diameter		Wall Thickness		Service Test Pressure		Acceptance Pressure		Burst Pressure		Nominal Weight	
		inch	mm	inch	mm	psi	bar	psi	bar	psi	bar	lb/ft	kg/m
50H15RY*	Yellow	1 1/2	38	0.10	2.5	300	21	600	41	900	62	0.30	0.44
50H15RR*	Brick Red	1 1/2	38	0.10	2.5	300	21	600	41	900	62	0.30	0.44
50H175RY*	Yellow	1 3/4	45	0.10	2.5	300	21	600	41	900	62	0.32	0.47
50H175RR*	Brick Red	1 3/4	45	0.10	2.5	300	21	600	41	900	62	0.32	0.47
50H2RY*	Yellow	2	52	0.11	2.7	300	21	600	41	900	62	0.38	0.56
50H2RR*	Brick Red	2	52	0.11	2.7	300	21	600	41	900	62	0.38	0.56
50H25RY*	Yellow	2 1/2	65	0.11	2.8	300	21	600	41	900	62	0.45	0.67
50H25RR*	Brick Red	2 1/2	65	0.11	2.8	300	21	600	41	900	62	0.45	0.67
50H3RY*	Yellow	3	76	0.14	3.5	300	21	600	41	900	62	0.64	0.95
50H3RR*	Brick Red	3	76	0.14	3.5	300	21	600	41	900	62	0.64	0.95
50H4RY*	Yellow	4	102	0.12	3.0	250	17	500	34	750	52	0.81	1.20
50H4RR*	Brick Red	4	102	0.12	3.0	250	17	500	34	750	52	0.81	1.20
50H5RY*	Yellow	5	127	0.12	3.0	225	15	450	31	675	46	0.94	1.40
50H5RR*	Brick Red	5	127	0.12	3.0	225	15	450	31	675	46	0.94	1.40
50H6RY	Yellow	6	152	0.13	3.3	200	14	400	28	600	41	1.28	1.90
50H6RR	Brick Red	6	152	0.13	3.3	200	14	400	28	600	41	1.28	1.90

* UL 19 & CAN/ULC-S511-14 certified models

All tests performed in compliance with NFPA 1961 Fire Hose Standard, 2020 edition and ASTM D-30, Standard Test Methods for Rubber Hose.

The actual diameter of these hoses may differ slightly from the nominal diameter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions please contact your distributor or ATI.

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