

## Classic Extruded Rubber Lay Flat Fire Hose



Specially Designed for Firefighting  
Fast Deployment and Retrieval

BS 6391:2009 Type 3 certified by Global Mark  
(1 1/2", 1 3/4", 2", 2 1/2"-64mm and 2 3/4")

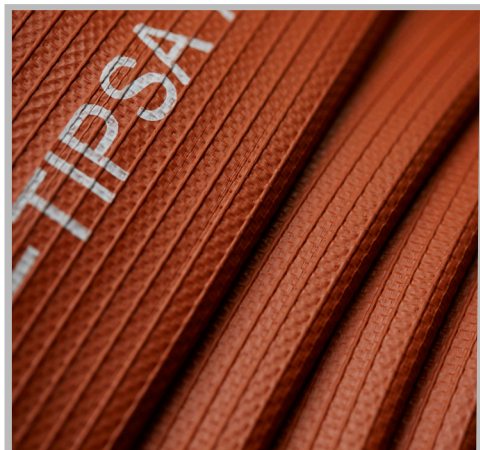
UL Listed Version Available  
for 1 1/2" and 2 1/2"-65mm Sizes

UNE 23091-2A Certified (1 3/4" and 2 3/4")

### Color:



Brick Red is the standard color.  
Other colors are available upon request.



### Applications:

Designed and recommended for firefighting, especially in municipal 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:

-22°F (-30°C) to 176°F (80°C). Special versions for higher and lower temperatures available upon request.

### Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 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 TIPSA will supply specific chemical resistance data when requested by the customer for unique applications.

### Heat Resistance:

The hose is capable of withstanding 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)

### Lengths:

Standard 50ft (15m), 100ft (30m), 200ft (60m). Special lengths such as 330ft (100m) and 660ft (200m) are also available upon request.

### Couplings:

As requested by the customer: NH-Rocker Lug, Storz, Guillemin, Barcelona, etc.

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### Physical Properties:

Part Number	UL Certified Part Number	Nominal Inner Diameter		Wall Thickness		Service Test Pressure		Proof Pressure		Burst Pressure		Nominal Weight	
		inch	mm	inch	mm	psi	bar	psi	bar	psi	bar	lb/ft	kg/m
F550012A		1	25	0.075	1.9	580	40	1,160	80	1,740	120	0.14	0.21
F550034A	F550037A*	1 ½	38	0.079	2.0	300	21	600	42	900	63	0.22	0.32
F550056A		1 ¾	45	0.079	2.0	300	21	600	42	900	63	0.25	0.37
F550067A		2	52	0.087	2.2	250	18	500	35	750	52	0.32	0.47
F552870A		2 ½	64	0.087	2.2	255	18	510	35	765	53	0.40	0.59
F552142A	F552141A*	2 ½	65	0.087	2.2	255	18	510	35	765	53	0.40	0.59
F550103A		2 ¾	70	0.091	2.3	250	18	500	35	750	52	0.44	0.66
F550114A		3	75	0.091	2.3	225	15	450	30	675	46	0.46	0.69
F550147A		4	102	0.102	2.6	170	12	340	23	500	35	0.64	0.95
F550158A		4 ½	110	0.102	2.6	150	10	300	20	450	30	0.71	1.05

· 1 ½" (38mm) and 2 ½" (65mm) ARMTEX ONE can be UL 19 & CAN/ULC-S511-14 certified & branded upon request for a 250 psi STP (17,25 bar). In such a case, please specify the part number indicated with an asterisk \* in the above chart .

· 1 ¾" (45mm) and 2 ¾" (70mm) ARMTEX ONE are UNE 23091-2A certified.

· 1" (25mm), 1 ½" (38mm), and 2 ½" (64mm & 65mm) ARMTEX ONE are certified to the Australian Standard AS 2792-1992 : Fire hose- Delivery layflat.

· ARMTEX ONE is BS 6391:2009 Type 3 certified by Global Mark for those diameters where the standard is defined (1 ½"- 38mm, 1 ¾"- 45mm, 2"-52mm, 2 ½"- 64mm, and 2 ¾"-70mm).

· Operational Test Pressure = 0,9 Service test Pressure according to NFPA 1961.

· For other standards please ask your representative in regards to specifications.

· 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 us, or your distributor.



**tipsa:** reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: [tipsaex@tipsa.com](mailto:tipsaex@tipsa.com)

