



# BOOSTLITE®

A non-collapsible reel hose designed to meet a variety of fire attack requirements.



## Applications

- Booster reel hose
- Range control attack hose
- Wildland brush fire truck attack hose
- Compressed Air Foam System (CAFS) applications

## Features and Benefits

- Extremely kink resistant, even at low pressure
- Bend radius is less than 3 1/2"/8.9cm for a 3/4"/19mm hose; 4 1/2"/11.4cm for a 1.0"/25mm hose; and 9.0"/23cm for a 1 1/2"/38mm hose
- Non-Collapsible and fits standard hose reels
- Heavy duty spun yarn construction
- Unique Mertex® lining
- Premium all synthetic single jacket
- Standard Strobe Yellow Permatek HP™ treatment against abrasion, moisture pick up and mildew
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, and hydrolysis
- Temperature range of -60° F to 160° F (-50° C to 71° C)
- Available with expansion ring and field repairable couplings, field repairable splice, factory installed compression splice and compression couplings

## DIAMETERS

0.75in/19mm ●

1.00in/25mm ●

1.50in/38mm ●

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	LBS	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
799	0.75	19	1 1/16	27	14.9	6.8	15.3	38.9	400	2 755	800	5 515	2 000	13 775
800	1.00	25	1 9/32	33	19.3	8.8	18.0	45.7	400	2 755	800	5 515	2 000	13 775
801	1.50	38	1 13/16	46	32.0	14.5	25.0	63.5	400	2 755	800	5 515	1 800	12 400

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# HOW TO SPECIFY **BOOSTLITE®**

This non-collapsible rigid reel hose shall feature a spun polyester jacket with yellow treatment. It shall meet or exceed all performance requirements of NFPA 1961, Underwriter's Laboratories & Factory Mutual.



Expansion Ring Coupling



Field Repairable Shank Coupling



Field Repairable Shank Splice



Factory Installed Compression Splice

## JACKET

The hose shall be of single jacket construction and use a monofilament interior reinforcement. The jacket shall be a tight twill weave with a minimum filler (weft) yarns of 13.3 per inch (525 per Meter). It shall be made with 100% high tenacity polyester spun yarn to assure maximum strength to weight ratio, and excellent abrasion resistance.

The jacket shall be impregnated in Strobe Yellow color with high performance polymeric dispersion.

## LINING

The lining (waterway) must be made from polyurethane and must be applied using a fused process that welds the polyurethane directly to the textile while the hose is being woven, without the use of adhesives or hot melt. The fused lining process must create a virtually inseparable unit without the use of adhesives, yielding an extremely low friction (pressure) loss by filling in the corrugations of the weave, creating an ultra thin and smooth waterway. Fire hose made using adhesives of any type do not meet this specification. The lining shall be approved for use with potable water.

## ADHESION

The adhesion shall be such that the rate of separation of a 1 1/2" / 38mm strip of polyurethane, transversely cut, shall not be greater than 1/4" / 6mm per minute under a weight of 12 lbs / 5.5 kg.

## COLD TEMPERATURE FLEXIBILITY

The hose shall have a temperature range of -60° F to 160° F (-50° C to 71° C).

## KINK TEST

The bend radius shall be less than 3.5" (8.9 cm) for a 3/4 inch (19mm) hose, 4.5" (11.4 cm) for a 1 inch (25mm) hose, and 9" (23 cm) for a 1 1/2 inch (38mm) hose.

## SERVICE, TEST, BURST PRESSURES

Minimum service, test and burst pressures shall be as detailed in the specification table on the previous page.

## WEIGHT

Each length of fire hose shall not weigh more than indicated in the specification table.

## MAINTENANCE

The hose shall be available with Field Repairable Shank Coupling, Field Repairable Shank splice, and Factory Installed Compression Splice.

## MANUFACTURE

Both hose and couplings must be manufactured in North America and be NAFTA compliant.

The hose must be available in sizes 3/4" / 19mm; 1" / 25mm; 1 1/4" / 32mm and 1 1/2" / 38mm.