

BIG-100

HEAVY DUTY RUBBER LINED FIRE HOSE

MADE IN
USA



THIS IS **KEY**

The standard in double jacket construction, combining 100% premium ring spun and filament polyester fibers over a heavy wall, ozone resistant, EPDM rubber liner. The outer jacket is mildew resistant and available with our iconic "Key-Lok" polyurethane based polymer impregnation for maximum abrasion and moisture resistance. Rugged, easy to handle and preferred by metro cities across the US and Canada — available in exclusive FDNY Spec with 1.88" inside diameter and heavier construction. This reliable, double jacket fire hose is UL Listed*, tested to 600 and 800 psi and meets MIL-H-24606 latest edition for abrasion resistance. Features a 10-year warranty and lifetime liner delamination guarantee.



DOUBLE JACKET ATTACK HOSE



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Abrasion

Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification purposes. Impregnated hose shall meet the requirements of MIL-H-24606 latest edition for abrasion resistance. NFPA colors may be specified by the end-user. A double dip process for twice the abrasion resistance is available upon request.

Lining

The rubber lining shall be a single-ply extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish with a minimum wall thickness of .040". No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. FDNY Lining is constructed with an ultra smooth oversized rubber liner to reduce friction loss. Tensile Strength, Ultimate Elongation and Adhesion: Shall meet the standards of Underwriters Laboratories, Inc. as well as all other properties of UL-19 for rubber lined hose. A valid UL/ULC Underwriters inspection procedure shall be in force.

Couplings

Big-10 can be coupled with 6061-T6 extruded aluminum threaded couplings or forged Storz. Special threads or other custom features available upon request. Barcode recess available at additional charge.

Performance

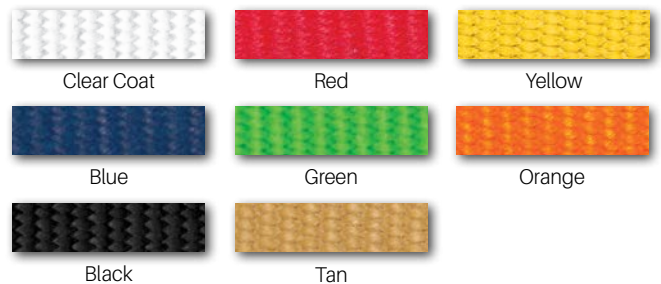
The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Big-10 diameters up to 3" shall be 1200 psi / 82 bar. Minimum burst test requirements for 3.5" diameter shall be 900 psi / 62 bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962.

*A valid UL/ULC Underwriters 600 psi / 41 bar - 800 psi / 55 bar listing shall be in force. Lengths available up to 100'.

Standards

Fire hose manufactured to this specification shall meet or exceed all performance requirements of NFPA 1961, Underwriters Laboratories and MIL-H-24606 latest edition for abrasion resistance.

Colors



NFPA colors available

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
*1 1/2"	DP15-800	400 psi	800 psi	1200 psi	1 15/16"	0.34 lbs/ft
*1 3/4"	DP17-800	400 psi	800 psi	1200 psi	2 1/8"	0.38 lbs/ft
1 3/4" FDNY	DP18-800-FDNY	400 psi	800 psi	1200 psi	2 1/4"	0.42 lbs/ft
*2 1/2"	DP25-800	400 psi	800 psi	1200 psi	3"	0.54 lbs/ft
*3"	DP30-800	400 psi	800 psi	1200 psi	3 1/2"	0.74 lbs/ft
*3 1/2"	DP35-600	300 psi	600 psi	900 psi	4 5/16"	0.90 lbs/ft

*UL Listed

Scope

Hose manufactured to this specification shall be of superior quality and workmanship. The hose shall withstand the rough usage of front line fire fighting. Hose specified shall meet NFPA 1961 standards. Hose furnished under these specifications will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination, barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in materials and workmanship.

Jacket Construction

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester would not meet Big-10 minimum standards. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV rays and ozone. It shall not be affected by rot or mildew. The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 picks per inch for increased strength and abrasion resistance. The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction. The hose must be of sufficient body and weight to meet the demands of heavy-duty fire fighting usage.



Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 07/19