

KEY-LITE

LIGHTWEIGHT POLYESTER FIRE HOSE

MADE IN
USA ★

THIS IS **KEY**

Ultra light, double jacket construction, utilizing high strength polyester filament fibers to deliver a highly abrasion resistant lightweight attack hose. A dependable, polyurethane lining eliminates ozone deterioration while maintaining lightweight integrity of the hose. The outer jacket is mildew resistant and available with iconic "Key-Lok" polyurethane based polymer impregnation for additional abrasion and moisture resistance. A proprietary reverse twill weave construction reduces friction loss, while ensuring the hose is lighter and easier to maneuver. The Key-Lite lining meets NSF (National Sanitation Foundation) Standard 61 for potable water. This reliable, double jacket fire hose is tested to 600 and 800 psi and meets MIL-H-24606 latest edition. Features a 5-year warranty against liner delamination.

KEY HOSE

DOUBLE JACKET ATTACK HOSE



ATTACK HOSE

KEY-LITE

POLYURETHANE LINED LIGHTWEIGHT DOUBLE JACKET ATTACK HOSE

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 lining shall be a single-ply extruded tube of synthetic polyurethane to resist ozone. The polyurethane tube shall adhere to the jacket to prevent delamination. The finished lining will meet MIL-H-24606 and NSF-61 standards for potable water use hose. The use of the polyurethane lined fire hose is designed to increase packing ability and reduce weight for fire fighting applications where lightweight fire hose is desired.

Couplings

Key-Lite shall be coupled with 6061-T6 extruded aluminum threaded couplings or forged Storz. Special threads or other custom features available upon request.

Performance

The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Key-Lite diameters up to 3" shall be 1200 psi / 82 bar. Minimum burst test requirements for 4" 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. Lengths available up to 100'.

Standards

Fire hose manufactured to this specification shall meet or exceed all performance requirements of NFPA 1961 and MIL-H-24606 latest edition standards.

Colors



NFPA colors available

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
1"	DP10-800-PU	400 psi	800 psi	1200 psi	1 ³ / ₈ "	0.14 lbs/ft
1 ¹ / ₂ "	DP15-800-PU	400 psi	800 psi	1200 psi	1 ¹⁵ / ₁₆ "	0.28 lbs/ft
1 ³ / ₄ "	DP17-800-PU	400 psi	800 psi	1200 psi	2 ¹ / ₈ "	0.30 lbs/ft
2"	DP20-800-PU	400 psi	800 psi	1200 psi	2 ² / ₅ "	0.31 lbs/ft
2 ¹ / ₂ "	DP25-800-PU	400 psi	800 psi	1200 psi	3"	0.46 lbs/ft
3"	DP30-800-PU	400 psi	800 psi	1200 psi	3 ¹ / ₂ "	0.62 lbs/ft
4"	DP40-600-PU	300 psi	600 psi	900 psi	4 ¹ / ₂ "	0.76 lbs/ft

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 5 years, 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 Key-Lite 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 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. 04/17