



Visit us on the Web: www.keyfire.com

Key-Lite Specification Sheet

POTABLE WATER

- **Double Jacket 800 Pound Test**
- **Polyurethane lined**
- **1", 1 1/2", 1 3/4", 2", 2 1/2" and 3"**

► Scope

Quality: The fire hose assembly supplied under this specification shall be constructed with superior quality materials. NFPA 1961 standards shall be observed in production of the assembly, in order to ensure its quality and durability.

Service Life: Hose furnished under these specifications will have a potential service life **warranty** of not less than **two years**; barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in workmanship and materials. Any defective hose will be replaced at no charge whatsoever.

► Jacket Construction

The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurements that could jeopardize the integrity of the hose assembly. The warp yarn shall consist of staple polyester yarn. The use of filament or entangled yarn is expressly forbidden due to the lack of inherent abrasion resistance. The filler yarns shall be constructed of high strength, low elongation, filament polyester to reduce weight and increase flexibility.

► Abrasion Impregnation

Hose assemblies are available with polymer impregnation that provide additional abrasion resistance. Colors include: yellow, orange, red, tan, black, blue and green. Color shall be pure and even in each hose. Impregnated hose shall meet the requirements of Mil-H-24606B for abrasion resistance.

► 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 product will meet and exceed all potable water Mil-H-24606B standards for the manufacturing of lightweight fire hose. The use of the polyurethane lined fire hose is designed to increase packing ability and passive firefighting applications where lightweight fire hose is desired.

► Hydrostatic Testing

Stock Lengths: Standard lengths are 50 and 100 feet.

Size	1"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Test Pressure	800psi	800psi	800psi	800psi	800psi	800psi
Elongation	5%	6%	6%	6%	6%	8%
Twist per foot	15° right	15° right	15° right	10° right	10° right	8° right
Warp	10"	10"	10"	10"	10"	10"
Rise	0	0	0	0	0	0
Burst Test	1200psi	1200psi	1200psi	1200psi	1200psi	1200psi
Kink Test	750psi	750psi	750psi	750psi	750psi	700psi

► Finished Hose

Markings: Beginning at a point not less than four feet from the end, each fifty foot section shall be stencilled in indelible ink with letters at least one inch high stating the name of the manufacturer, month and year of manufacture, and service test to 400 PSI. The ink used will be of a contrasting color.

Methods of Testing: All measurements and tests necessary to determine compliance of the fire hose specified requirements shall be made with ASTM, UL and NFPA 1961 designation, unless otherwise prescribed.

► Couplings

As required by purchaser, expansion ring threaded, STORZ clamp ring, etc.

► Weights and Measures

Size	1"	1 1/2"	1 3/4"	2"	2 1/2"	3"
Part Number	DP10-800PU	DP15-800PU	DP17-800PU	DP20-800PU	DP25-800PU	DP30-800PU
Bowl Size	1 7/16"	1 15/16"	2 1/8"	2 1/2"	3"	3 9/16"
Weight per 50' length Uncoupled	9 lbs.	14 lbs.	16 lbs.	19 lbs.	22 lbs.	28 lbs.
Weight per 50' length Coupled	10 lbs.	15 lbs.	17 lbs.	21 lbs.	24 lbs.	31 lbs.

Key Fire Hose 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 on special request. For more information, please contact your Key Fire Hose Corporation authorized distributor.