



"The Hose Company"

Combat Ready - Product Specification

"The Best Attack Hose...Guaranteed!!!"

COMBAT READY

- Unmatched kink resistance
- High flow capabilities/more GPM
- Reduced friction loss
- Superior heat resistance
- Rugged durability
- Double dip "Key-Lok" process standard
- Designed for low pressure high volume nozzles
- 1 year wear/tear
- 10 year warranty
- Diameters: 1 ³/₄", 2", and 2 ¹/₂"



* Other colors available at special request



clear



green



yellow



orange



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Hose Construction: This hose is designed specifically for aggressive fire attack operations. The outer jacket is woven from ring spun staple polyester yarns over an inner liner consisting of a one-piece extruded through-the-weave nitrile/PVC tube with double dip color or clear coat abrasion resistant key lock process as a standard. Combat-Ready is manufactured in a high-visibility white with one red and one blue stripe running the length of the hose. This heat resistant, drag resistant and kink resistant hose shall have superior friction loss characteristics. Recommended length requirements are 50 feet and 75 feet. Warranty: Hose shall carry a 10 year written warranty, which includes a 1 year wear/tear warranty.

Inner Hose Properties: When the hose is tested in accordance with NFPA 1961, the liner or cover shall have the following properties:

Ultimate Tensile Strength - shall not be less than 1200 PSI

Ultimate Elongation - shall not be less than 400%

Accelerated Aging Test - shall meet requirements of UL19 for accelerated aging

Adhesion - between reinforcement and liner shall be a minimum of 20 pounds

Ozone Resistance - shall show no signs of visible cracking of the cover of liner when tested in accordance with ASTM D1149-91 and ASTM D518-86 (R91), Procedure B.

Chemical Resistance - Exposure to seawater and contamination by most chemicals will have no effect on the short or long term performance of the hose.

Safety Factors:

Abrasion Resistance - A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance. Hose meeting all of the abrasion resistance safety factors below shall do so without exceeding average weights.

UL Abrasion - The hose shall pass a burst test after 5000 cycles on a reciprocating abrasion tester - as specified in UL Standard 19.

Cold Resistance Safety Factor - Hose shall be capable of safe use down to -50 degrees F. The hose shall have no apparent damage to cover reinforcement or lining when subjected to the following cold bending test: A 50 ft. length of dry hose is coiled and placed in a cold box at -50 degrees for 24 hours. The hose shall not show any damage to the reinforcement when subjected to hydrostatic acceptance test pressure.

Flashover Resistance Safety Factor - Heat resistance is of the utmost importance when evaluating interior attack hose. This hose shall meet the safety factors for heat resistance without exceeding the normal fire hose weight. The hose shall be subjected to a static pressure of 100 PSI and be capable of withstanding a surface temperature of 1200 degrees F for a minimum of 30 seconds without bursting.

Water Pick-up Weight - The tendency for a hose to absorb water while in a wet environment can create significant handling difficulties. When tested against the procedure listed in MIL-H-24606B, the maximum weight gain shall not exceed 3 lbs. per 50 foot length.

Couplings: Combat Ready shall be "doubled ring" with extruded aluminum 6061-T6 USA manufactured couplings. Knurled couplings, 2" X 2 1/2" and other custom features available upon special request.

Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised special diameters or construction characteristics may be produced by special request. For more information please contact a Key Hose authorized distributor.

Performance Chart

Size	Part No.	Service Test	Burst Test	Coefficient of Flow	Bowl Size	Weight/ft. Uncoupled
1 3/4"	DP17-1000	500 psi	1500 psi	6.5	2 1/4"	.38 lbs.
2"	DP20-1000	500 psi	1500 psi	4.5	2 2/5"	.44 lbs.
2 1/2"	DP25-1000	500 psi	1500 psi	2	3"	.52 lbs.