



Type 2 - Product Specification

TYPE 2

lightweight single
jacket forestry hose

- USDA first article tested and approved
- 5100-187c Type 2 compliant
- Ring spun polyester to aid abrasion resistance
- Designed for rigorous forestry applications
- Super lightweight construction
- Threaded or quarter-turn quick connect couplings
- Diameters: 1" and 1 1/2"



5100-187 COLORS



clear



yellow

Scope: The fire hose assembly supplied under this specification shall be constructed with superior quality materials. NFPA 1961 and forestry spec 5100-187 standards shall be observed in production of the assembly, in order to ensure its quality and durability. Hose furnished under these specifications will have a potential service life warranty of five years barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in workmanship and materials.

Jacket Construction: The jackets will be woven evenly and be free of defects, including knots, lumps, or unsightly disfigurations that could jeopardize the integrity of the hose assembly. The warp yarn shall consist of ring spun 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. The jacket construction shall be a 1-2 woven twill pattern with the 2 over-crossing on the exterior of the jacket.

Abrasion Impregnation: Hose assemblies are available with polymer impregnation that provide additional abrasion resistance. Standard color: yellow. Color shall be pure and even in each hose. Impregnated hose shall meet the requirements of USDA 5100-187 for abrasion resistance.

Lining: The lining shall be a single-ply extruded tube of synthetic polyurethane to resist zone. 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 applications where lightweight fire hose is desired. Key Type 2 may be manufactured with a thin-wall high tensile 1800 PSI EPDM rubber liner. Rubber lined products are an accepted alternative to polyurethane lined hose in accordance with 5100-187c Type 2 specifications.

Performance: The minimum burst test pressure, when tested in accordance to NFPA 1961, on Key Type 2 diameters 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 USA/ULC Underwriters listing shall be in force. Lengths available up to 100 feet.

Couplings: Expansion ring threaded or quarter-turn quick connect couplings available as specified by the end-user. Couplings shall meet 5100-108 minimum requirements.

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	Proof Test	Burst Test	Bowl Size	Weight/ft. Uncoupled
1 "	SP10-600	300 psi	600 psi	900 psi	1 3/16"	.07 lbs.
1 1/2"	SP15-600	300 psi	600 psi	900 psi	1 3/4"	.13 lbs.