Lightweight, double jacket construction, combining 100% premium ring spun and filament polyester fibers over a thin wall, high tensile, EPDM rubber liner. The outer jacket is mildew resistant and available with double dip “Key-Lok” polyurethane based polymer impregnation for abrasion and moisture resistance. A proprietary reverse twill weave construction reduces friction loss while making the hose 25% lighter. This reliable, double jacket fire hose is UL Listed, tested to 600 and 800 psi and meets MIL-H-24606 latest edition. Features a 10-year warranty and lifetime liner delamination guarantee.
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 high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. Polyurethane tubes, SBR and/or PVC tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The tube thickness shall be a minimum of .020”. The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1½” strip when tested in accordance to UL-19 standards. Minimum tensile strength requirements for the finished tube requirement shall be 1800 psi. A valid UL/ULC Underwriters inspection procedure shall be in force.

Couplings
Eco-10 can 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 Eco-10 diameters up to 3” shall be 1200 psi / 82 bar. Minimum burst test requirements for 4” and 5” 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 UL/ULC Underwriters 800 psi / 55 bar listing shall be in force. Lengths available up to 100’.

Standards
Fire hose manufactured to this specification shall meet all performance requirements of NFPA 1961 and Underwriters Laboratories standards.

Colors
- Clear Coat
- Red
- Yellow
- Blue
- Green
- Orange
- Black
- Tan
- NFPA colors available

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.