INDUSTRIAL LDH

LARGE DIAMETER LAY FLAT HOSE

THIS IS **KEY**

The workhorse of industrial hoses, featuring a rugged and reliable construction that has it all — heat/cold, chemical and ozone resistant. The nitrile/PVC through-the-weave design with smooth, reinforced inner liner that allows the hose to expand under pressure — Tincreasing water flow and keeping friction loss to a minimum. The ribbed nitrile rubber cover lowers drag force and increases resistance to abrasion, oil, fuel and a wide range of chemicals. Industrial LDH features an oversized inner diameter that is engineered to fit most couplings. Easy to deploy and easy to store, available in continuous lengths of up to 300'.

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Diameter	Part No.	Service Test	Proof Test	Burst Test	Weight Uncoupled
4"	RC40-500	250 psi	500 psi	750 psi	0.74 lbs/ft
6"	RC60-300	150 psi	300 psi	450 psi	1.20 lbs/ft
8"	RC80-300	150 psi	300 psi	450 psi	1.95 lbs/ft
10"	RC100-300	150 psi	300 psi	450 psi	2.95 lbs/ft

Hose Construction

Hose shall be made from 100% high tenacity synthetic polyester yarn, circularly woven and completely protected by a through-the-weave extruded PVC/Nitrile rubber, forming a single homogeneous construction without the use of glues or adhesives of any type. Industrial LDH features a thin rib construction to aid abrasion resistance. Industrial LDH shall carry a 2-year written warranty against defects in materials and workmanship. Lengths available up to 300'.

Lining Properties

Ultimate Tensile Strength - Tensile strength of the lining and cover shall not be less than 1200 psi.

Ultimate Elongation - 400% minimum.

Accelerated Aging Test - The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to the action of oxygen at a pressure of 300 psi (±10 psi) and a temperature of 158 °F (±18 °F) for a period of 96 hours shall retain 60% of its originally stated properties.

Abrasion Resistance

Hose shall withstand 10,000 cycles on the Taber Abrasion Machine (H-22 Wheel: 0.5 kg), without exposing the liner. Key Hose, on request, will supply written warranties thatIndustrial LDH hose meets a minimum 10,000 cycles. Other abrasion test results (UL, etc.) can be supplied on request of purchaser.

Cold Resistance

Hose shall have a capability of use down to -35 °F. Hose shall have no apparent damage to cover, reinforcement or lining when subjected to the following cold flexibility test: a 50' length of dry hose is to be firmly coiled and placed in a cold box at -35 °F for a duration of 24 hours. Immediately after removal of the hose from the box, hose should be uncoiled and laid out by one operator.

Ozone Resistance

Hose shall show no visible signs of cracking to the lining or cover when tested in accordance to ASTM D518 Procedure B (100 pphm / 118 °F / 70 hours).

Chemical Resistance

Exposure to sea water and contamination by most chemical substances, hydrocarbons, oils, alkalis, acids and greases must have no effect on the short or long term performance of the hose. A chemical resistance chart is available on request of purchaser for unique applications.

Heat Resistance

The hose, when subjected to a static pressure of 100 psi, shall be capable of withstanding a surface temperature of 1200 °F for a minimum of one minute without rupture or damage to the synthetic reinforcement.

Couplings

As required by purchaser. Hose designed for Pierce, Bauer, USC Hi-Flow, Victaulic field replaceable or crimped couplings.

Colors

Red Black

Other colors available upon special request

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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. *08/19*