



BLINDEX 600

BLINDEX 600, is a single jacket hose designed for supply and attack purposes with a high durability. Each one is tested in accordance with NFPA 1961 current edition

Applications: Suitable for use and recommended for professional Fire Fighters

Construction: Is the unique hose with four layers extruded through the weave. Hose shall be made from 100% high tenacity synthetic yarn circular woven and completely, protected and locked-in by tough highly resistant synthetic rubber, forming a single homogenous construction, The inner and cover layer are NBR rubber with red color and an yellow extra RLH rubber layer in the cover with extremely high abrasion and chemical resistance, all without the use of glues or adhesives of any type.

Lining Properties:

- a. Ultimate Tensile Strength:
Tensile strength of the lining and cover shall not be less than 2200 psi (15,5 M Pa).
- b. Ultimate Elongation:
500% minimum.

Physical Values:

Nominal D*		Working P.**		End Pull **		Weight		Thickness		Bend Radius at WP	
Inch	mm	psi	K Pa	lb	Kg.	lb/ft	gr /m.	inch	mm.	ft.	mm.
1 1/2	38	300	21	2315	1050	0,294	440	0,106	2,7	3,61	1100
1 3/4	45	300	21	2601	1180	0,341	510	0,106	2,7	4,20	1280
2	52	300	21	2910	1320	0,381	570	0,106	2,7	4,27	1300
2 1/2	65	300	21	4012	1820	0,514	770	0,114	2,9	4,51	1375
3	76	300	21	4740	2150	0,661	990	0,130	3,3	4,76	1450
4	102	200	14	6878	3120	0,868	1300	0,134	3,4	6,56	2000
5	152	200	14	8995	4080	1,122	1680	0,134	3,4	7,71	2350

* Dimensional tolerance = Nominal Diameter + 0.080 " minimum

** Minimum safety factor of 3 to 1 over working pressure for fluids.

*** Figures represent 35% of Total Effective Tensile Strength.

Abrasion Resistance:

In very extreme conditions where abrasion is the most serious concern BLINDEX 600 would extend hose life.

Cold Resistance:

Hose shall have a capability of use down to - 22 °F. Hose shall have no apparent damage to cover, reinforcement or lining when subject to -36 °F

Ozone Resistance:

Hose shall show no visible signs of cracking of the lining or cover when tested in accordance with ASTM D1149-64 (R1970), ASTM D518 Procedure B, 100pphm/118 F/70 hours.

Chemical Resistance:

Exposure to seawater 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 and TIPSA will supply specific chemical resistance data on request of purchaser for unique applications.

Heat Resistance:

The hose when subjected to a static pressure of 100 psi (700 kpa) shall be capable of withstanding a surface temperature of 1200 F for a minimum of two minutes without rupture or damage to the synthetic reinforcement

Repairability:

Cover damage, small holes and punctures are repairable with use of **REPOKIT** and Vulcanizer. Full instructions for use supplied on request.

Color:

Sizes: 1 ½ " thru 5 " Yellow (inner red and outer yellow)

Couplings:

As required by purchaser

Lengths:

Standard 50' (15m), 100' special lengths up to 660' (200m)

TIPSA reserves the right to modify any specification without prior notice to meet or exceed changing tipsaex@tipsa.com