ALERT DISASTER CONTROL

Global Emergency Response and Integrated Risk Management Solutions

XL-800™

Double jacket polyester T.P.U lined fire hose for Attack and Supply Lines providing maximum strength, lightweight and optimum flows at minimal friction loss. Ideal for high-rise backpacks and/or heavy-duty municipal fire fighting applications. Oversized waterways for maximum flow, minimum friction loss. Half the weight and one third the bulk of conventional rubber hose.

Construction: Circular woven, double jacket 100% virgin spun polyester.
Tube: Extruded T.P.U. elastomer - Ozone and age resistant.
Length: 50' to 100' (15.2 to 30.5 m)
Jacket treatment: ENCAP® encapsulation. Provides water repellency, abrasion, oil and chemical resistance.
Colors available: Clear (white), green, red, orange, blue, tan, and yellow.
Couplings available: Hard coat anodized NH, storz and other styles upon request. XL-800 fire hose fitted standard with NH couplings unless specified.

XL-800™ Specification

- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- There shall be a minimum of 10.0 filler yarns per inch in both the inner and outer jackets.
- The thickness of the lining shall be 0.015" (39.1 μm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with ENCAP® elastomer, which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 150°F (-51°C to 66°C).
- FM abrasion test of 15,000 cycles minimum and Taber abrasion test of 5,000 cycles minimum.
- At 800-psi (5,600-kpa), its elongation shall not exceed 10% of the initial hose length; it shall not warp more than 20 inches (51 cm) and should not rise from the test table.
- The hose shall not twist more than 2 turns per 50-ft (15.2 m) while at 800-psi (5,600-kpa).
- Minimum service test pressure of 400-psi (2,800-kpa).
- Minimum proof test pressure of 800-psi (5,600-kpa).
- Minimum straight burst test pressure of 1,200-psi (8,400-kpa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 1,200-psi (8,400-kpa).
- Meets or exceeds NFPA 1961, ULC-S511 and ULI-19 specifications.

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XL-800™ Physical Properties

Hose Size	Spec Number	Coupling ID Size NH	Weight / 50-ft (15.2m) uncoupled	Coil Dia. / 50-ft (15.2m)	Minimum kink burst test pressure
1-1/2" (38mm)	4015A	1-15/16" (49.2mm)	10.5-lbs (4.8-kg)	15.0" (38cm)	600-psi (4,200-kpa)
1-3/4" (45mm)	4017A	2-1/16" (52.4mm)	12-lbs (5.4-kg)	15.0" (38cm)	600-psi (4,200-kpa)
2.0" (51mm)	4020A	2-5/16" (58.7mm)	14-lbs (6.4-kg)	15-1/2" (39cm)	600-psi (4,200-kpa)
2-1/2" (64mm)	4025A	3.0" (76.2mm)	18-lbs (8.2-kg)	16.0" (41cm)	600-psi (4,200-kpa)
3.0" (76mm)	4030A	3-1/2" (88.9mm)	24-lbs (10.9-kg)	16.0" (41cm)	450-psi (3,150-kpa)

Fire and Delivery Hose

ALERT DISASTER CONTROL

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SUPPLYLINE™

LARGE DIAMETER Double jacket polyester fire hose that provides optimum high volume flows at minimal friction loss. Lightweight and compact, occupies less space than conventional single jacket hose. Meets NFPA requirements for attack, relay and supply line hoses.

Construction:	Circular woven, double jacket 100% virgin spun polyester.
Tube:	Extruded T.P.U. elastomer - Ozone and age resistant.
Length:	50' to 100' (15.2 to 30.5 m)
Jacket treatment:	ENCAP® encapsulation. Provides water repellency, abrasion, oil and chemical resistance.
Colors available:	Clear (white), green, red, orange, blue, tan, and yellow.
Couplings available:	Hard coat anodized locking Storz, NH and other styles upon request. 4.0” Supplyline fitted standard with 4.0” locking Storz 5.0” Supplyline fitted standard with 5.0” locking Storz

SUPPLYLINE™ Specification

- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- For the 4.0" (102 mm) hose, there shall be a minimum of 13.0 filler yarns per inch in the inner jacket and 10.5 filler yarns per inch in the outer jacket.
- For the 5.0" (127 mm) hose, there shall be a minimum of 14.0 filler yarns per inch in the inner jacket and 10.0 filler yarns per inch in the outer jacket.
- The thickness of the lining shall be 0.020" (50.8 μm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with ENCAP® elastomer, which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 150°F (-51°C to 66°C).
- FM abrasion test of 50,000 cycles minimum and Taber abrasion test of 15,000 cycles minimum.
- At 600-psi (4,200-kpa), its elongation shall not exceed 10% of the initial hose length, it shall not warp more than 12 inches (31 cm) and should not rise from the test table.
- The hose shall not twist more than 1-1/2 turn per 100-ft (30m) while at 600-psi (4,200-kpa).
- Minimum service test pressure of 300-psi (2,100-kpa).
- Minimum proof test pressure of 600-psi (4,200-kpa).
- Minimum straight burst test pressure of 900-psi (6,300-kpa).
- The hose while curved to a radius of 27.0" (69 cm) shall not burst at less than 900-psi (6,300-kpa).
- Meets or exceeds UL-19 and NFPA 1961 specifications.

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SUPPLYLINE™ Physical Properties

Hose Size	Spec Number	Coupling ID Size	Weight / 100-ft (30.5m) uncoupled	Coil Dia. / 100-ft (30.5m)	Minimum kink burst test pressure
4.0” (102 mm)	5040A	4-3/8” (111.1 mm)	68-lbs (30.8-kg)	24.0” (61 cm)	300-psi (2,100-kpa)
5.0” (127 mm)	5050A	5-3/8” (136.5 mm)	84-lbs (38-kgs)	25.0” (64 cm)	300-psi (2,100-kpa)

Fire and Delivery Hose

ALERT DISASTER CONTROL

Global Emergency Response and Integrated Risk Management Solutions

Fire and Delivery Hose

TIDALWAVE 600™

LARGE DIAMETER Double jacket polyester fire hose that provides optimum high volume flows at minimal friction loss. Lightweight and compact, occupies less space than conventional single jacket hose. The inner jacket is suitable for potable water applications, as approved by National Sanitation Foundation. TIDALWAVE 600TM remains flexible in extremely cold temperatures. Meets NFPA requirements for attack, relay and supply line hoses.

Construction:	Circular woven, double jacket 100% virgin spun polyester.
Tube:	Extruded T.P.U. elastomer - Ozone and age resistant.
Length:	50' to 100' (15.2 to 30.5 m)
Jacket treatment:	ENCAP® encapsulation. Provides water repellency, abrasion, oil and chemical resistance.
Colors available:	Clear (white), green, red, orange, blue, tan, and yellow.
Couplings available:	Hard coat anodized locking Storz, NH and other styles upon request. 6.0” TIDALWAVE fitted standard with 6.0” locking Storz.

TIDALWAVE 600™ Specification

- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- There shall be a minimum of 14.0 filler yarns per inch in the inner jacket and 12.5 filler yarns per inch in the outer jacket.
- The thickness of the lining shall be 0.020" (50,8 μm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with ENCAP® elastomer, which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 150°F (-51°C to 66°C).
- FM abrasion test of 50,000 cycles minimum and Taber abrasion test of 10,000 cycles minimum.
- At 600-psi (4,200-kpa), its elongation shall not exceed 12% of the initial hose length, it shall not warp more than 12 inches (31 cm) and should not rise from the test table.
- The hose shall not twist more than 1-1/2 turn per 100 ft (30,5 m) while at 600-psi (4,200-kpa).
- Minimum service test pressure of 300-psi (2,100-kpa).
- Minimum proof test pressure of 600-psi (4,200-kpa).
- Minimum straight burst test pressure of 900-psi (6,300-kpa).
- The hose while curved to a radius of 27" (69 cm) shall not burst at less than 900-psi (6,300-kPa).
- Meets or exceeds NFPA 1961 specifications.

NIEDNER

TIDALWAVE 600™ Physical Properties

Hose Size	Spec Number	Coupling ID Size STORZ	Weight / 100-ft (30.5m) uncoupled	Coil Dia. / 100-ft (30.5m)	Minimum kink burst test pressure
6.0” (152 mm)	5040A	6-1/4” (158.8 mm)	125-lbs (56.8-kg)	26.0” (66 cm)	300-psi (2,100-kpa)

ALERT DISASTER CONTROL

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DOUBLE-5 BRAND™

Double Jacket all polyester hose intended to transfer large volumes of water with minimal friction loss. Lightweight and compact, occupies less space than conventional single jacket hose. Flexible to -60°F (-51°C).

Construction: Circular woven, double jacket 100% virgin polyester.
Tube: Extruded elastomer - Ozone and age resistant.
Lengths: 25' (7.5 m), 50' (15 m), 100' (30 m),
Jacket treatment: ENCAP® encapsulation.
Couplings available: Custom 7.25-6" Storz Couplings

DOUBLE-5 BRAND™ Specification

- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- The hose shall be of double jacket construction with 100% virgin spun polyester yarn in both jackets.
- There shall be a minimum of 10.0 filler yarns per inch in both the inner and outer jackets.
- The thickness of the lining shall be 0.015" (39.1 μm) minimum and it shall be constructed of extruded T.P.U. elastomer.
- The outside jacket shall be treated with ENCAP® elastomer, which shall completely encapsulate the jacket fibers and not merely surface coat the jacket.
- The hose service temperature range shall be -60°F to 150°F (-51°C to 66°C).
- FM abrasion test of 15,000 cycles minimum and Taber abrasion test of 5,000 cycles minimum.
- Minimum service test pressure of 400-psi (2,800-kpa).
- Minimum proof test pressure of 800-psi (5,600-kpa).
- Minimum straight burst test pressure of 1,200-psi (8,400-kpa).

"DOUBLE 5" BRAND

Fire and Delivery Hose

DOUBLE-5 BRAND™ Physical Properties

Hose Size	Spec Number	Weight / 100-ft (30.5m) uncoupled	Proof Pressure	Service Test Pressure	Minimum kink burst test pressure
7.250" (184 mm)	7000A	160-lbs (48.5-kg)	600-psi (4,200-kpa)	300-psi (2,100-kpa)	750-psi (5,171-kpa)

Friction Loss in Rubber or Vinyl Lined Fire Hose

Flow in U.S. Gallons Per Minute	Pressure Loss in PSI per 100' Hose									
	Hose Diameters									
	1.5"	1.75"	2.0"	2.5"	3"	3.5"	4"	5"	6"	7.25"
10										
20										
30										
40	4.5	3	1							
60	10	5	2.5							
95	22	11	5							
100	25	12	6	3	1					
125	37	21	10	4	1					
150	54	26	13.5	6	2					
175		34	18	8	3					
200		45	24	10	4	2				
225		57	30	12	4.5	2				
250		70	37.5	15	6	2.5				
275		82	45	17.5	7	3				
300		95	54	21	8	3.5	2			
325			65	24.5	9.5	4	2.5			
350			78	28	11	5	2.5			
400			96	36	14	6	3	1		
450				45	17.5	8	4	1.5		
500				55	21	9.5	5	2		
550					25.5	11.5	6	2		
600					30	13.5	7	2.5		
650					35	15.5	8.5	3		
700					40.5	18	9.5	3.5	1	
750					46	20	11.5	4	1	
800					53	23	12.5	4.5	1.5	
850						25.5	14.5	5	1.5	
900						28	16	5.5	2	
950						31	17.5	6	2	
1000						34	19	6.5	2.5	
1100						41	23	8	3	1
1200						49	27.5	9.5	4	1.2
1300						57	32.5	11	4.5	1.4
1400						66.5	38	13	5	1.5
1500						76.5	43	15	6	2
1750							59	20	8	2.5
2000							77	26.5	10.5	3
2500								41.5	16.5	4.8

NOTE: These friction loss figures will vary accordingly with age and manufacturer of hose

Fire and Delivery Hose