



hoses during vulcanizing process



twisting process of warp and weft

## Uncoated Single Jacket Fire Fighting Hose

**Syntex 500 (white plain) | Syntex Extra (white plain)  
Syntex Robust (white plain)**

This hose quality is in the diameters C/42 mm, C/52 mm and B/75 mm available in the performance levels:

- L1 – Performance Level 1 – Syntex 500 (white plain)
- L2 – Performance Level 2 – Syntex Extra (white plain)
- L3 – Performance Level 3 – Syntex Robust (white plain)

The higher the performance level the higher the abrasion resistance of the hose.


### Construction

- inside: high-quality, very light synthetic rubber on the basis of EPDM
- outside: jacket of 100 % high tenacity synthetic polyester yarn (colour: white plain), circular-woven twill weave, warp and weft threads multiple twisted

### Feature

- very light and flexible hose quality
- minimum maintenance
- extremely resistant to aging and ozone and UV
- excellent abrasion resistance
- minimum friction loss because of very smooth inner lining
- suitable for sea water, hot water, many chemicals

### Approvals/Certificates

- DIN 14811:2008-01+A2:2014-08
- BS 6391:2009 Type 1
- M.E.D. 96/98/EC 
- ÖNORM F2105
- Germanischer Lloyd

Approvals or Certificates mailed to you on demand.



**Syntex 500  
(white plain)**

impact- and abrasion  
protection

## Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar	Bursting Pressure in PSI	Working Pressure in bar – 1:3 Safety	Working Pressure in PSI – 1:3 Safety	Working Pressure in bar – 1:4 Safety	Working Pressure in PSI – 1:4 Safety	Weight in g/m (+/- 5 %)	Weight in lbs/ft (+/- 5 %)	Wall Thickness in mm (+/- 0,2 mm)	Theoretical Tensile Strength in kg
<b>Uncoated Single Jacket Fire Fighting Hose (white plain)</b>											
1 (Storz)	25	60 (DIN)	870	20	290	16 (DIN)	235	130	0,087	1,50	2.300
1 (Geka)	27	60 (DIN)	870	20	290	16 (DIN)	235	145	0,097	1,50	2.300
1 1/4	32	60 (DIN)	870	20	290	16 (DIN)	235	165	0,111	1,50	2.600
1 1/2	38	60 (DIN)	870	20	290	16 (DIN)	235	190	0,128	1,60	3.200
1 1/2	40	60 (DIN)	870	20	290	16 (DIN)	235	210	0,141	1,60	3.200
1 2/3	42	60 (DIN)	870	20	290	16 (DIN)	235	240	0,161	1,65	4.200
1 3/4	45	60 (DIN)	870	20	290	16 (DIN)	235	235	0,158	1,60	3.800
2	52	60 (DIN)	870	20	290	16 (DIN)	235	290	0,195	1,65	5.800
2 1/6	55	60 (DIN)	870	20	290	16 (DIN)	235	285	0,191	1,65	4.600
2 1/2	64	60 (DIN)	870	20	290	16 (DIN)	235	365	0,245	1,65	5.700
2 1/2	65	60 (DIN)	870	20	290	16 (DIN)	235	370	0,249	1,65	5.700
2 1/2	66	60 (DIN)	870	20	290	16 (DIN)	235	375	0,252	1,65	5.700
2 3/4	70	60 (DIN)	870	20	290	16 (DIN)	235	395	0,265	1,65	6.800
3	75	60 (DIN)	870	20	290	16 (DIN)	235	475	0,319	1,75	8.600
3 1/2	90	35 (DIN)	510	12 (DIN)	175	8	115	580	0,390	1,95	9.100
4	102	35 (DIN)	510	12 (DIN)	175	8	115	660	0,443	1,95	9.500
4 1/3	110	35 (DIN)	510	12 (DIN)	175	8	115	780	0,524	1,95	11.700
5	125	35 (DIN)	510	12 (DIN)	175	8	115	870	0,585	2,10	12.800
6 (Storz)	150	35 (DIN)	510	12 (DIN)	175	8	115	950	0,638	2,10	12.800
6 (Perrot)	154	35 (DIN)	510	12 (DIN)	175	8	115	960	0,645	2,10	12.800
8	205	30	435	10	145	7	100	1.075	0,722	2,10	24.500

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.



## Applications

suitable for fire brigades, industry, marine, military, technical support