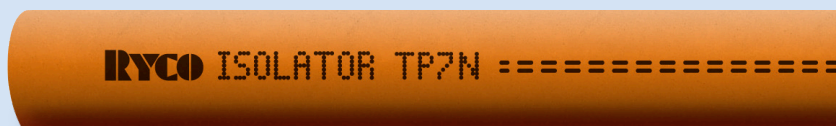


TP7N

ISOLATOR
R7 NON CONDUCTIVE HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Hydraulic oil lines where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The high strength, non-metallic reinforcement gives these hoses excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:

Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 °C (+158 °F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 304 to 316.
Assembly Instructions pages 478.

TP7N - ISOLATOR NON-CONDUCTIVE HOSE																
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
TP74N	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,10	0.07	TP000	
TP76N	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,15	0.10	TP000	
TP78N	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,22	0.15	TP000	
TP712N	19	-12	19,5	3/4	27,1	1.07	90	1300	360	5200	140	5.5	0,34	0.23	TP000	
TP716N	25	-16	25,9	1	34,0	1.34	70	1000	280	4000	190	7.5	0,46	0.31	TP000	

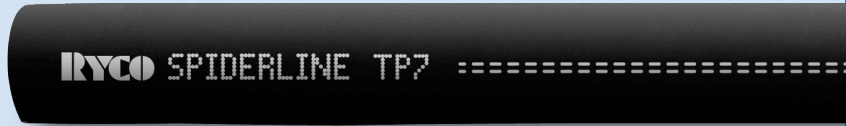
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

THERMOPLASTIC

TP7

SPIDERLINE R7 HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

Air & Water +70 °C (+158 °F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -03 to -16) pages 304 to 316.

Assembly Instructions pages 478.

TP7 - SPIDERLINE HOSE															
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		COUPLING SERIES ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP73	5	-03	5,0	3/16	9,6	0.38	210	3000	840	12000	25	1.0	0,06	0.04	TP000
TP74	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,10	0.07	TP000
TP75	8	-05	8,1	5/16	14,3	0.56	190	2700	760	10800	45	1.8	0,13	0.09	TP000
TP76	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,15	0.10	TP000
TP78	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,22	0.15	TP000
TP712	19	-12	19,5	3/4	27,1	1.07	90	1300	360	5200	140	5.5	0,34	0.23	TP000
TP716	25	-16	25,9	1	34,0	1.34	70	1000	280	4000	190	7.5	0,46	0.31	TP000

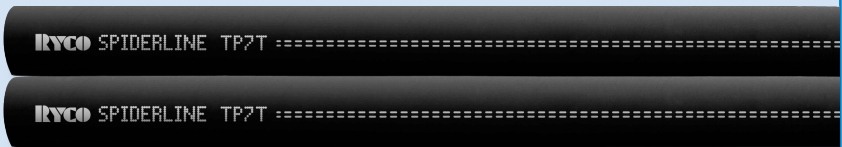
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

THERMOPLASTIC

TP7T

SPIDERLINE
R7 TWIN HOSE



RECOMMENDED FOR:

RYCO TP7T SPIDERLINE TWIN Hose consists of two TP7 Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used on dispensing equipment and other applications requiring two hoses.

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

Air & Water +70 °C (+158 °F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 304 to 316. Assembly Instructions pages 478.

TP7T – SPIDERLINE TWIN HOSE															
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		ONE PIECE	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE
TP74T	6	-04	6,5	1/4	12,2	0.48	210	3000	840	12000	35	1.4	0,20	0.13	TP000
TP75T	8	-05	8,1	5/16	14,3	0.56	190	2700	760	10800	45	1.8	0,26	0.18	TP000
TP76T	10	-06	9,7	3/8	16,0	0.63	160	2300	640	9200	55	2.2	0,30	0.20	TP000
TP78T	12	-08	13,0	1/2	20,3	0.80	140	2000	560	8000	75	3.0	0,44	0.30	TP000

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.