



The Mandals Ultraman is designed as a lightweight transfer hose, meant for all-around use in mining, energy, and agriculture. Easy handling and a long service life make it very cost-effective.

The Ultraman is complemented by Ultraman HVT to form a full range up to 12". Ultraman and Ultraman HVT are lighter and more flexible than Superman HVT equivalent dimensions.

Primary Uses & Applications

- Dewatering in industry and open pit mines.
- Bypass line for sewage.
- Bypass line for slurry.
- Feeder hose for irrigation.
- Draghose in smaller umbilical systems.

Features

- Resistant to a wide range of chemicals.
- Full diameter recovery after pressure release.
- Excellent hydrolysis and fungus resistance.
- Superior UV, Ozone, and weathering resistance.
- Field proven hose with a long track record.

Construction

- A high tensile polyester reinforcement jacket enveloped by a high-grade thermoplastic polyurethane (TPU) lining and cover material.
- The TPU is extruded through a circular woven reinforcement, creating a strong bond between cover and lining that prevents delamination, as well as firmly encapsulating the reinforcing polyester.

Properties

- Length up to 200m. Longer lengths upon request for some sizes.
- Color options: Black (standard).
- Different coupling options available.
- Operating temperature from -50°C to +75°C (-58°F to +167°F) for pure water.

Ultraman

Article Number	Inner Diameter ¹		Wall Thickness		Weight		Maximum Working Pressure ²		Burst Pressure		Nom. Tensile Strength ³	
	inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
ULS065	2 1/2	65	0.11	2.8	0.44	0.66	400	28	810	56	14.3	6.5
ULS076	3	76	0.11	2.9	0.56	0.84	360	25	725	50	17.4	7.9
ULS090	3 1/2	90	0.12	3.0	0.66	0.98	310	21.5	620	43	20.0	9.1
ULS102	4	102	0.13	3.2	0.81	1.20	305	21	610	42	22.2	10.1
ULS114	4 1/2	114	0.13	3.2	0.93	1.39	265	18.5	535	37	23.8	10.8
ULS127	5	127	0.13	3.3	1.02	1.52	250	17.5	505	35	26.4	12.0
ULS152	6	152	0.13	3.3	1.16	1.73	218	15	435	30	32.8	14.9
ULS178	7	178	0.13	3.4	1.38	2.05	195	13.5	390	27	37.6	17.1

Note: ¹Tolerance range based on ISO1307 Type C. ²Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support. ³Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.