

Synflex® 1300 Tubing



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Composite Tubing

Synflex® composite tubing is comprised of a polyethylene/ aluminum construction that combines the advantages of both metal and plastic tubing.

Synflex® composite tubing is corrosion, steam and water resistant and is ideal for high moisture areas and direct burial applications. The outer jacket is impervious to most chemical containing environments and the inner layer provides excellent permeation properties and adds mechanical strength to the product.

Features

- Tube Material: Polyethylene / Aluminium composite : Black high density polyethylene bonded to an overlapped aluminium tape having an ethylene copolymer coating.

Benefits

- Fully bonded polyethylene/ aluminium construction combines the advantages of both metal and plastic tubing. The tubing is manufactured in long continuous lengths that can eliminate many fitting connections, yet it is light enough for an installer to carry to practically any location. It has shape holding ability 'stay put' characteristics which can provide neat looking bends without special bending tools, yet the metal reinforced tube wall gives greater pressure ratings than plain plastic tubing. The tube can be cut cleanly with a standard utility knife.

Application

- Designed for pneumatic instrument control systems

Construction

- High Density Polyethylene Cover. Polyethylene/ Aluminium Core Tube.
- See table

Temperature Range

- Maximum operating +80°C



Easy To Install

- The inner aluminium layer adds tube wall strength that permits the tube to span large distances without additional support. It also makes a perfect tubing choice for direct burial without additional protection from concrete to earth installations. Welding projections do not damage the tubing or its performance level.

Connection

- Tubes are sized to connect with standard compression fittings without special tube preparation. Full plastic tubing implies the use of connections including plastic supports and ends. Sheathed metal tubes must usually be stripped before being connected however this tube eliminates this operation.

Availability

- Standard Colour – Black {Other colours red, blue & gray, available on request.}
- Available in 25m, 75m and 300m (Min order Qty may apply for certain items)

Tube OD	Part Number	Tolerance on OD	Net Weight (Kg/ 1000m)	BP @ 25°C (Bar)	BP @ 65°C (bar)	BP @ 80°C (Bar)	Crush Resistance (Kg)
6mm	1300-M0603	0.13/-0.28	20	115	70	48	135
8mm	1300-M0803	0.13/-0.28	32	115	70	48	150
10mm	1300-M1003	0.15/-0.3	57	115	70	48	220
12mm	1300-M1203	0.15/-0.3	75	98	45	38	180
14mm	1300-M1403	0.2/-0.35	96	98	45	38	180
15mm	1300-M1503	0.2/-0.35	106	65	40	35	180
1/4"	1300-04403	0.12/-0.28	24	115	70	48	135
3/8"	1300-06603	0.15/-0.28	52	115	70	48	220
1/2"	1300-08603	0.15/-0.28	73	70	45	38	180

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