



TRACEPAK® MJ Multiple Jacketed Tubing

- Two to Four Parallel Tubes per Bundle
- Multiple Tube Sizes Up to 1/2" in Four-Tube Bundle
- Choice of Metallurgy and Wall Thickness
- Does Not Affect Standard Pressure Rating of Tubing
- Reduced Installation Labor and Scrap
- Lower Installed Cost
- Abrasion Resistant TAW4826 TPU Double Jacket System
- Stabilization Plate Increases Support Centers
- Can be Free Run and Supported Without Cable Tray

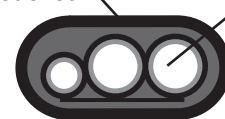


TRACEPAK MJ, is a preassembled coil of TAW4826 TPU (thermoplastic elastomeric urethane) jacketed tubes in a flat configuration. Compared to stick tubing, it makes the installation of multiple runs of tubing fast and easy while saving valuable tray space and drastically reducing leak paths. It features a very durable, continuous dual jacket system that provides protection from atmospheric corrosion sources such as weld slag, grinding abrasives and contact with dissimilar metals. Single TAW4826 TPU jacketed tubing is also available where multiple tubes are not needed. These products are ideal for use in use in process plants, refineries and offshore platforms.

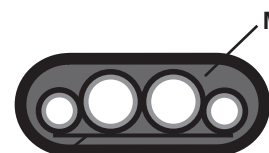
TRACEPAK MJ's flat (non cabled) configuration allows for easy and tight radius bending. It installs with the speed and ease of standard wire bundles. It can be installed with traditional hand bending tools. It also presents readily identified tubes in continuous lengths of a wide variety of tubing metallurgies. Simple offset bends can be made to make manifold connections. The dual jacketing system allows for individual tubes to be split and connected to bulkheads while maintaining a continuous protective jacket on each tube. End sealing kits are available for a complete installation.

When installing tubing for hydraulic, chemical injection and control lines, eliminating leak-paths is of critical importance for HSE (health safety and environment). Fewer leak points with continuous coils and corrosion protection are also key to HAZOP (hazardous operations) review.

TAW4826 TPU
Outer Jacket

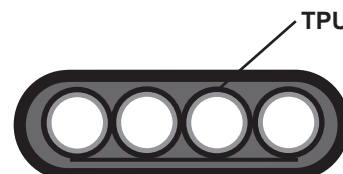


Tube as Specified



Mylar Wrap

Stabilizer Plate



TPU Tube Jacket

Model Number Construction

TPMJ	TRACEPAK MJ Multiple Jacketed Tubing
X	Number of tubes (max is 4 for 1/4 - 1/2" tubes, max is 2 for one or two 3/4" tubes)
U	TAW4826 TPU tube and outer jacket (Material is the same on tubes and outer jacket)
-	Separator
X#	Tube designation, for multiple tubes or mixed tubes. Select tubes from the tubing list. By convention we list largest tubes first then alphabetically if the same size. Multiple tubes of the same material and size are indicated by repeating the size only. Eg. Three 3/8" x 0.035 wall 316L SS SMLS tubes is indicated as "F333."

TAW4826 TPU Jacket

O'Brien TAW4826 TPU is polyether-based thermoplastic polyurethane formulation that has excellent UV resistance as well as eliminating halogens and improved resistance to weathering and aromatic hydrocarbons.

O'Brien TAW4826 TPU	
Abrasion Resistance	E
Tensile Strength PSI	3800
Elongation %	700
Hardness, Shore A	80
Minimum Installation Temperature	-67°F/-58°C
UL94 Flame	V0/V2
Halogenated (Chlorides)	NO
Maximum Service Temperature	212°F/ 100°C
Water Absorption %	1.2%
Aromatic Hydrocarbons	G
Weathering	E
UV Resistance	E

E Excellent G = Good F = FAIR P = Poor

Process Tubes

Seamless 316L SS

F2	1/4" x 0.035" SMLS 316/316L SS tubing.
B2	1/4" x 0.049" SMLS 316/316L SS tubing.
K2	1/4" x 0.065" SMLS 316/316L SS tubing.
F3	3/8" x 0.035" SMLS 316/316L SS tubing.
B3	3/8" x 0.049" SMLS 316/316L SS tubing.
K3	3/8" x 0.065" SMLS 316/316L SS tubing.
F4	1/2" x 0.035" SMLS 316/316L SS tubing.
B4	1/2" x 0.049" SMLS 316/316L SS tubing.
K4	1/2" x 0.065" SMLS 316/316L SS tubing.
B6	3/4" x 0.049" SMLS 316/316L SS tubing.
K6	3/4" x 0.065" SMLS 316/316L SS tubing.
MF6	6mm x 1mm SMLS 316/316L SS tubing.
MF8	8mm x 1mm SMLS 316/316L SS tubing.
MF10	10mm x 1mm SMLS 316/316L SS tubing.
MB10	10mm x 1.5mm SMLS 316/316L SS tubing.
MF12	12mm x 1mm SMLS 316/316L SS tubing.
MB12	12mm x 1.5mm SMLS 316/316L SS tubing.

Seamless 316L 2.5% Molly

CF2	1/4" x 0.035" SMLS 316/316L 2.5% Molly tubing.
CB2	1/4" x 0.049" SMLS 316/316L 2.5% Molly tubing.
CK2	1/4" x 0.065" SMLS 316/316L 2.5% Molly tubing.
CF3	3/8" x 0.035" SMLS 316/316L 2.5% Molly tubing.
CB3	3/8" x 0.049" SMLS 316/316L 2.5% Molly tubing.
CK3	3/8" x 0.065" SMLS 316/316L 2.5% Molly tubing.
CF4	1/2" x 0.035" SMLS 316/316L 2.5% Molly tubing.
CB4	1/2" x 0.049" SMLS 316/316L 2.5% Molly tubing.
CK4	1/2" x 0.065" SMLS 316/316L 2.5% Molly tubing.
CMF6	6mm x 1mm SMLS 316/316L 2.5% Molly tubing.
CMF8	8mm x 1mm SMLS 316/316L 2.5% Molly tubing.
CMF10	10mm x 1mm SMLS 316/316L 2.5% Molly tubing.
CMB10	10mm x 1.5mm SMLS 316/316L 2.5% Molly tubing.
CMF12	12mm x 1mm SMLS 316/316L 2.5% Molly tubing.
CMB12	12mm x 1.5mm SMLS 316/316L 2.5% Molly tubing.

Seamless Alloy 825

AB2	1/4" x 0.035" SMLS 825 SS tubing.
AB3	3/8" x 0.035" SMLS 825 SS tubing.
AB4	1/2" x 0.035" SMLS 825 SS tubing.
AC4	1/2" x 0.065" SMLS 825 SS tubing.

Accessories

Sealing the Ends, Fittings and Jacket



Heat Shrink Sleeve w/ RTV Silicone



Heat Shrink Sleeve



Self Bonding Silicone Tape



Self Bonding Silicone Tape