



PLASTIC COATED SINGLE LINE TUBING 08 1005

Application

The 08 1005 coated single line tubing is ideally suited for instrumentation and process control lines. It is the original plastic coated metal tubing. Available in 1¼", 3/8" and ½" O.D. Sizes with wall thicknesses ranging from 0.30" to 0.035"

Chemical Resistance

Withstands corrosive atmospheres found in many plants. The PVC or polyethylene jacket protects the core tube from chemical attacks.

Protection Against Electro-Galvanic Action

Prevents electro-galvanic corrosion, which would occur if the copper or aluminium tube contacted other metals. This is especially important in moist areas.

Mechanical Protection

In areas in which tubing is subjected to vibration or impact, the tubing jacket acts as a cushion.

Low Cost

Plastic jacketed copper, stainless steel or aluminium tubing costs less by outlasting more expensive alloys in a wide variety of corrosive environments

Lower Installed Cost

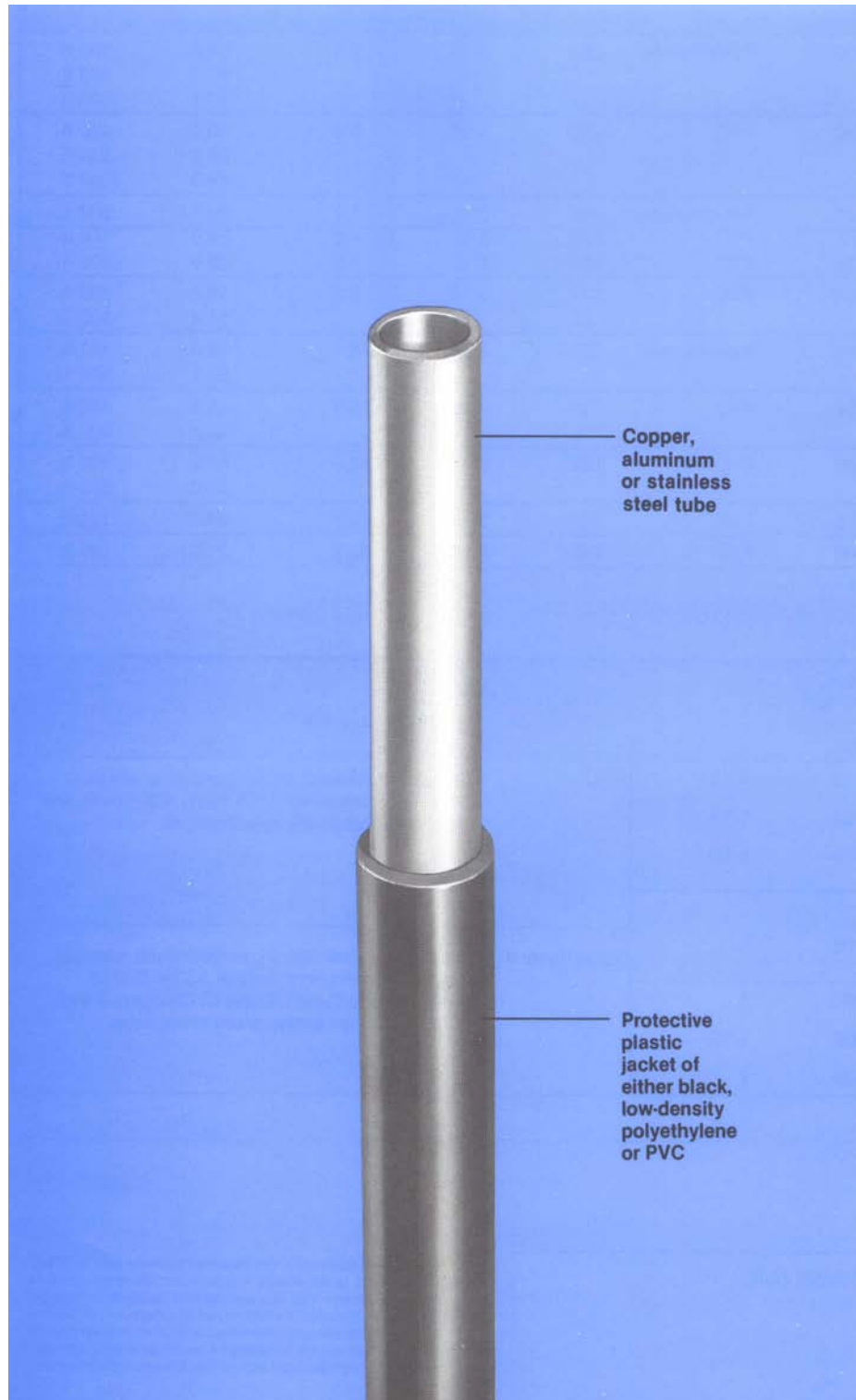
08 1005 tubing is easier to work with than exotic alloys. Long coil lengths reduce number of costly fitting connections, saving time and material costs.

Composite Product

Plastic coated tubing combines the formability and strength of metal with the corrosion resistance of plastic.

How to Specify:

Example: 08 1005-41204 Synflex ¼" O.D. X 0.30" wall PVC coated single line copper tubing, 500' length.





Technical Information

Part No.	Tube Material	Tube O.D. Inches	Tube Wall Thickness Inches	Jacket Material	Jacket Thickness Inches	Max O.D. inches	Net Weight lbs/C'	Estimated Shipping Weight lbs	Length Per Coil
08 1005-41102 08 1005-41104 08 1005-41105	Copper	¼	0.030	Polyethylene	0.032	5/16	9.2	9.5 50.9 107.7	100 ft 500 ft 1,000 ft
08 1005-41202 08 1005-41204 08 1005-41205	Copper	¼	0.030	PVC	0.032	5/16	9.8	10.2 54.2 114.3	100 ft 500 ft 1,000 ft
08 1005-42104	Aluminium	¼	0.035	Polyethylene	0.032	5/16	4.0	24.7	500 ft
08 1005-42202 08 1005-42204	Aluminium Aluminium	¼	0.035 0.035	PVC PVC	0.032 0.032	5/16 5/16	4.6 4.6	28 28	100 ft 500 ft
08 1005-44202 08 1005-44204	Stainless Steel	¼	0.035	PVC	0.032	5/16	9.3	10 51.4	100 ft 500 ft
08 1005-61102 08 1005-61104	Copper	3/8	0.032	Polyethylene	0.032	7/16	15.1	15.7 98.7	100 ft 500 ft
08 1005-61202 08 1005-61204	Copper	3/8	0.032	PVC	0.032	7/16	15.9	16.6 103.4	100 ft 500 ft
08 1005-62202 08 1005-64204	Stainless steel	3/8	0.035	PVC	0.032	7/16	13.5	14.2 91	100 ft 500 ft
08 1005-81202	Copper	½	0.035	PVC	0.032	9/16	23.1	24.2	100 ft
08 1005-84202	Stainless steel	½	0.035	PVC	0.032	9/16	20.7	21.8	100 ft

Material Characteristics

Tube Material	Tube O.D. Inches	Max Working Pressure PSI (100°F)	Max Pulling Tension lbs	Min Bending Radius Inches	Jacket Material	Material Specifications
Copper AS M B58-B75 Type OHP Alloy No. 122 Soft Annealed Bright Seamless	¼ 3/8 1/2	1,450 1,025 825	110 232 314	1 1¼ 1½	PVC	A Black Polyvinyl Chloride compound which meets or exceeds aSTM 0-1047, ICEA S-61-402 and all applicable UL Specifications
Aluminium Alloy 3003-0 Fully Annealed Seamless	¼	720	100	1	Polyethylene	Black, Linear, low-density Polyethylene meeting or exceeding requirements of aSTM 0-1248 Classification; Type 1, Class C, Category 4 and ASTM 0-1693 for stress crack resistance
Stainless steel Type 316 Welded And Conditioned Fully Annealed Per ASTM A269	¼ 3/8 ½	5,360 3,430 2,520	660 1,056 1,430	1 1½ 2		