

Tubing

Introduction Page

How to Order	B-2
Type 11 Tinted.....	B-3
Type 12 Colored	B-4
Type 16 Drain Tubing	B-5
Type CD Drain Tubing	B-6
Type 17 Co-Extruded Urethane.....	B-7
Type 18 Urethane.....	B-8
Type 40 KYNAR (PVDF).....	B-9
Type 57 Nylon 12	B-10
Type 50 LLDPE.....	B-11
Type 54 Fire Retardant.....	B-12
Type 59 High Density	B-13
Type 55 Natural EVA	B-14



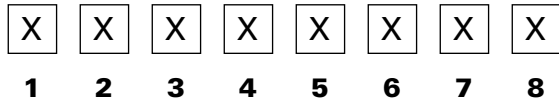
Hose & Tubing

How to Order Low Pressure Industrial Hose and Tubing

B

Part Numbering System

All products are identified by an eight digit part number



- The first two digits (1,2) identify the product type
 - i.e. Type 10 = Clear Tubing
Type 20 = Clear Braided Hose or Clear Core Tube
- The 3rd and 4th digits can identify the I.D. of the product measured in a 16th of an inch.
 - i.e. $20 - \frac{08}{16} = \frac{1}{2}$ " Clear Braided Hose
- The 5th and 6th digit can identify a variety of items.
 - A: When shown on any **tubing order**, the 5th and 6th digits identify the product O.D. in 16ths of an inch.
 - i.e. $10 - \frac{06}{16} \frac{08}{16} = \frac{3}{8} \times \frac{1}{2}$ " Clear Tubing
 - B: When shown on **hose orders** it can identify specific reels, colors, customer printing, and a host of other custom details.
- The 7th and 8th digits, again, identify specific variances of that particular hose or tube from standard item.

Note: the first 4 digits of our part number system are the ones you should attempt to familiarize yourself with. The other 4 digits will eventually fall into place.

Minimum Order Information

For the purposes of plant efficiency and reasonable costing, the following is the minimum quantities that are run by the plant. These are general guidelines. Some exceptions may be allowed depending on price and circumstances.

Bundles

Insulated	1,200 feet
Non Insulated	1,000 feet
Twin-welds	5,000 feet (1/4") 3,000 feet (1/2", 3/4")

ID	TUBE	HOSE	SUCTION HOSE
1/4	10,000	10,000	N/A
5/16, 3/8	10,000	8,000	N/A
1/2	8,000	6,000	3,000
5/8	6,000	5,000	3,000
3/4	5,000	3,500	3,000
1	3,000	2,500	2,000

ID	TUBE	HOSE	SUCTION HOSE
1-1/4	2,000	2,000	2,000
1-1/2	1,500	1,500	1,000
1-5/8	1,500	1,500	1,000
2	1,500	1,500	1,000
3	N/A	N/A	1,000

Tubing

PVC

TYPE 11 PVC Tinted Tubing



Tube: PVC

Color: Any Tint

Temperature Range: +25°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 30-55 psi

Features:

- Tinted poly vinyl chloride tubing

Advantages:

- Lightweight
- Non-marking
- Flexible
- 75 durometer

Markets:

- Industrial
- Manufacturing

Applications:

- Drain lines
- Identification Lines
- Air lines
- Sight glass

PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
11-0406	1/4	6.4	3/8	9.5	55	3.2	100	Box
11-0608	3/8	9.5	1/2	12.7	45	4.5	100	Box
11-0810	1/2	12.7	5/8	15.9	30	5.7	100	Box

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

TYPE 12 PVC Colored Tubing



Tube: PVC

Color: Any

Temperature Range: +25°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 30-55 psi

Features:

- Colored poly vinyl Chloride tubing
- Non-marking

Advantages:

- Lightweight
- Non-marking
- Flexible
- 75 Durometer

Markets:

- Industrial
- Manufacturing

Applications:

- Drain lines
- Identification lines
- Air lines

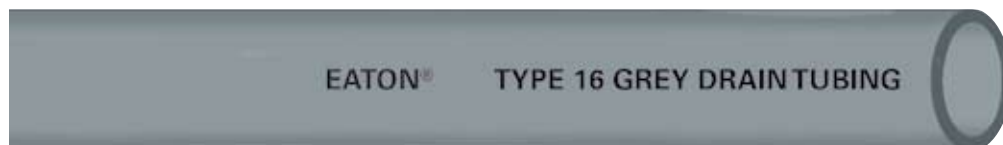
PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
12-0406	1/4	6.4	3/8	9.5	55	3.2	100	Box
12-0608	3/8	9.5	1/2	12.7	45	4.5	100	Box
12-0810	1/2	12.7	5/8	15.9	30	5.7	100	Box

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

PVC Drain Tubing

TYPE 16 Grey Drain Tubing



Tube: PVC

Color: Grey

Temperature Range: +25°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 25-45 psi

Features:

- Grey PVC industrial grade materials
- Other colors available

Advantages:

- Lightweight, non-marking
- Flexible
- 70 durometer

Markets:

- Soda fountain systems
- Ice machines

Applications:

- Drain lines
- Water transfer line
- Conduit
- Identification line

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
16-0812-03	1/2	12.7	3/4	19.1	45	14.07	100	COIL
16-1014-03	5/8	15.9	7/8	22.2	40	16.65	100	COIL
16-1216-03	3/4	19.1	1	25.4	35	19.57	100	COIL
16-1620-03	1	25.4	1-1/4	31.8	25	25.61	100	COIL

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

PVC Drain Tubing

B

TYPE CD Drain-FLO Drain Tubing



Tube: PVC

Temperature Range: +25°F to +150°F

Color: Grey

Features:

- Rigid exoskeleton provides for virtual crush proof feature. Always stays open.
- Small bend radius for tight turns

Advantages:

- Extremely tough abrasion resistance
- Extremely flexible

Markets:

- Soda fountain systems
- Landscaping
- Ponds

Applications:

- Drain lines
- Water transfer line
- Conduit
- Identification line

PRODUCT NUMBER	NOMINAL I.D.		NOMINAL O.D.		BEND RADIUS		STANDARD PACKAGE (FT.)
	(IN.)	(MM)	(IN.)	(MM)	(IN.)	(MM)	
CD-1200-03	3/4	19.1	1.080	27.4	1		100 Boxed
CD-16	1	25.4	1.300	33.0	1-1/2		100 Boxed

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

Urethane

TYPE 17 Co-Extruded Urethane Tubing



Tube: Urethane

Color: Clear

Temperature Range: +40°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 40-55 psi

Features:

- Urethane core liner with PVC cover
- Ether grade urethane

Advantages:

- Good chemical resistance
- Excellent abrasion resistance
- RoHS compliant

Markets:

- Landscaping
- Weed spray
- Air tools

Applications:

- Chemical transfer
- Powder transfer
- Petroleum transfer

PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
17-0406	1/4	6.4	3/8	9.5	55	3.5	100	Coil/Box
17-0608	3/8	9.5	1/2	12.7	50	4.7	100	Coil/Box
17-0810	1/2	12.7	5/8	15.9	40	6.0	100	Coil/Box

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

Urethane

B

TYPE 18 Urethane Tubing



Tube: Urethane

Color: Clear

Temperature Range: -40°F to +165°F

Type Of Branding: Ink Jet

Working Pressure: 35-85 psi

Features:

- Ether grade urethane
- Ester available
- Fuel resistant

Advantages:

- Clear
- Flexible
- Excellent abrasion & tear resistance
- 87 shore a durometer
- RoHS compliant

Markets:

- Weed spray
- Air tools

Applications:

- Fuel lines
- Chemical transfer
- Powder transfer
- Petroleum transfer
- Air transfer
- Abrasive fluid transfer

PRODUCT NUMBER	NOMINAL I.D.		NOMINAL O.D.		WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
	(IN.)	(MM)	(IN.)	(MM)				
18-0204	1/8	3.2	1/4	6.4	85	2.0	100	Coil/Box
18-0305	3/16	4.8	5/16	7.9	65	2.6	100	Coil/Box
18-0406	1/4	6.4	3/8	9.5	50	3.1	100	Coil/Box
18-0608	3/8	9.5	1/2	12.7	40	4.3	100	Coil/Box
18-0810	1/2	12.7	5/8	15.9	35	5.7	100	Coil/Box

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

TYPE 40 KYNAR (PVDF) Tubing



Tube: KYNAR (PVDF)

Color: Blue

Temperature Range: -40°F to +260°F

Type Of Branding: Ink Jet

Working Pressure: 150-200 psi

Features:

- UV resistance
- Abrasion resistance
- Great barrier properties

Advantages:

- Lightweight
 - Radiation resistance
 - General chemical resistance
 - Low permeation
 - Ultra pure
 - RoHS compliant
- SUPER FLEXIBLE ALSO AVAILABLE***

Markets:

- Marine
- Food and beverage
- Fuel/Small engine

Applications:

- Pulp & paper
- Nuclear
- Mining
- Pharmaceutical
- Water, beverage, alcohol transfer
- Fuel transfer
- Oil transfer

PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
40-0304	11/64	4.37	1/4	6.4	200	4.9	50	Box
40-0406	1/4	6.4	3/8	9.5	200	5.0	50	Box
40-0608	3/8	9.5	1/2	12.7	180	7.0	50	Box
40-0810	1/2	12.7	5/8	15.9	150	9.0	50	Box

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

Nylon 12

B

TYPE 57 Nylon 12 Tubing



Tube: Nylon

Color: Natural

Temperature Range: +40°F to +180°F

Type Of Branding: Ink Jet

Working Pressure: 225-325 psi

Features:

- Natural nylon 12

Advantages:

- Excellent abrasion resistance
- Good chemical resistance
- RoHS compliant

Markets:

- Landscape
- Weed spray
- Industrial

Applications:

- Light chemical transfer
- Weed spray
- Paint transfer
- Environmental cleanup

PRODUCT NUMBER	NOMINAL I.D. (IN.)	NOMINAL I.D. (MM)	NOMINAL O.D. (IN.)	NOMINAL O.D. (MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
57-06	3/8	9.5	.525	13.3	325	3.35	500	Reel
57-08	1/2	12.7	.650	16.5	225	6.50	500	Reel

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

LLDPE

Polyethylene

TYPE 50 LLDPE Polyethylene Tubing



Tube: Polyethylene

Color: Natural

Temperature Range: +25°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 40-140 psi

Features:

- Natural linear low density polyethylene tube
- Natural type 50
- Natural type 51 (NSF certified available)
- Colored type 52 (available)
- Black type 53 (available)

Advantages:

- Materials comply with FDA specifications
- RoHS compliant
- Good solvent Resistance
- Good stress crack resistance

Markets:

- Industrial
- Food and beverage (type 51 material)
- Pneumatics

Applications:

- Air & water transfer
- Light vacuum line
- Conduit
- Drain lines

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
50-0204-00	1/8	3.2	1/4	6.4	140	1.6	2000	Spool/Box
50-0205-00	5/32	4.0	5/16	7.9	140	2.5	1500	Spool/Box
50-0304-00	11/64	4.7	1/4	6.4	140	1.1	2000	Spool/Box
50-0305-00	3/16	4.8	5/16	7.9	140	2.1	1500	Spool/Box
50-0406-00	1/4	6.4	3/8	9.5	125	2.6	1000	Spool/Box
50-0406-50	1/4	6.4	3/8	9.5	125	2.6	500	Spool/Box
50-0608-00	3/8	9.5	1/2	12.7	100	3.6	500	Spool/Box
50-0810-00	1/2	12.7	5/8	15.9	75	4.7	500	Coil
50-1012-00	5/8	15.9	3/4	19.1	60	5.8	500	Coil
50-1216-00	3/4	19.1	1	25.4	50	14.5	100	Coil
50-1620-00	1	25.4	1-1/4	31.8	40	19.2	100	Coil

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

Black Fire Retardant Polyethylene

B

TYPE 54 Fire Retardant Tubing



Tube: Polyethylene

Color: Black

Temperature Range: -50F° to +150°F

Type Of Branding: Ink Jet

Working Pressure: 100-140 psi

Features:

- Linear low density fire retardant materials
- UL94 V2 flammability Rating

Advantages:

- Tight tolerances
- Tensile strength: 4685 P.S.I. (ASTM D-882)
- Elongation: 780% (ASTM D-882)
- 1% secant modulus 31380 psi (ASTM D-882)
- RoHS compliant

Markets:

- Pneumatic thermostats

Applications:

- Pneumatic control tubing
- Wire jacketing
- Fluid & instrumentation

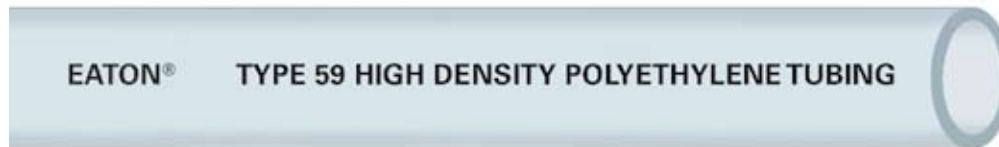
PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH	PACKAGE
54-0203	3/32	2.4	5/32	4.0	140	.6	300 meters	Spool/Box
54-0304	.168	4.3	1/4	6.4	140	1.1	150 meters	Spool/Box
54-0406	1/4	6.4	3/8	9.5	125	2.6	150 meters	Spool/Box
54-0608	3/8	9.5	1/2	12.7	100	3.6	150 meters	Spool/Box

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

High Density Polyethylene

TYPE 59 High Density Polyethylene Tubing



Tube: Polyethylene

Color: Clear

Temperature Range: -50°F to +150°F

Type Of Branding: Ink Jet

Working Pressure: 100-140 psi

Features:

- Food grade high density polyethylene

Advantages:

- Complies with FDA specifications
- Good solvent resistance
- Excellent ESCR

Markets:

- Food and beverage
- Industrial
- Mining

Applications:

- Air transfer
- Light vacuum line
- Conduit
- Grout tubing

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	(MM)	WORKING PRESSURE @ 68°F	APPROX. LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
59-0304	11/64	4.4	1/4	6.4	200	2.0	1,000	Reel
59-0406	1/4	6.4	3/8	9.5	200	2.7	1,000	Reel
59-0608	3/8	9.5	1/2	12.7	150	3.8	500	Coil
59-0810	1/2	12.7	5/8	15.9	125	4.8	500	Coil
59-1216	3/4	19.1	1	25.4	100	15.0	100	Coil
59-1418	7/8	22.2	1-1/8	28.6	85	17.0	100	Coil

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

EVA Tubing and Hose

B

TYPE 55 Natural EVA Tubing



Tube: EVA

Color: Clear

Temperature Range: -50°F to +125°F

Type Of Branding: Ink Jet

Working Pressure: 75-125 psi

Features:

- General purpose EVA materials
- Available in translucent
- Available in colors
- Available in prime FDA material

Advantages:

- Good chemical and weather resistance
- RoHS compliant

Markets:

- Agricultural Implements
 - Air drill
 - Boom spray

Applications:

- Agricultural, lawn and chemical transfer
- Air/Water transfer, conduit paint fluid, light vacuum
- Seeder tubing

PRODUCT NUMBER	NOMINAL I.D. (IN.)	(MM)	NOMINAL O.D. (IN.)	WORKING (MM)	APPROX. PRESSURE @ 68°F	LBS. WEIGHT PER 100 FT.	STANDARD LENGTH (FT.)	PACKAGE
55-0608	3/8	9.5	1/2	12.7	75	3.7	300	Coil
55-0610	3/8	9.5	5/8	15.9	125	8.3	300	Coil
55-0810	1/2	12.7	5/8	15.9	75	4.9	300	Coil
55-0812	1/2	12.7	3/4	19.1	125	10.7	300	Coil
55-1216	3/4	19.1	1	25.4	125	13.4	300	Coil
55-1620	1	25.4	1-1/4	31.8	75	19.6	200	Coil

Stated working pressures are tested at 68°F. Working pressure decreases as temperature increases. Contact Eaton for further information.

Tubing

Notes



Tubing

Notes

B