

Type LAFG

Part of the **Food Grade Conduit Family**.

A UL Listed, CSA Certified, flexible liquidtight steel conduit that is now antimicrobial and is designed for a variety of installations regarding motion, vibration, and bending on food processing equipment.



All Products Proudly Made in the USA

Construction:

Inner Core:

- Hot Dipped Galvanized Steel
- 3/8" – 1-1/4" Squarelock Profile with continuous bonding strip
- 1-1/2" – 4" Fully Interlocked Profile

Liquidtight Jacket:

- Flexible PVC made from an FDA approved compound
- Formulated for "Splash Zone" food and beverage contact
- Meets FDA CFR21 and NSF 51/61 requirements
- Resistant to **Oils and Mild Acids**
- Flame Retardant
- Sunlight Resistant (UV)
- Marked HD for "Heavy-Duty"
- Also available in white, UL Listing only.

Application:

Type LAFG is a Certified Component for NSF/ANSI 169 special purpose food equipment. The following points are in addition to all of the NEC (ANSI/NFPA-70) Article 350 installation guidelines outlined for Type LA **[NEMA RV3]** flexible liquidtight conduit:

- Smooth exterior for easy washdown
- Resistant to Sodium Hypochlorite (Bleach)
- NEW Antimicrobial jacket with biocide additive
- Intended for use with Standard Liquidtight Connectors
- Direct burial
- Installations in hazardous (classified) locations:
 - Class I Div. 2: Article 501.10 (B)(2) & 501.30 (B)

Product Information

CERTIFICATIONS & COMPLIANCE



Listed File # E29278. Conforms to Underwriters Laboratories Standard ANSI/UL-360 for Liquidtight Flexible Steel conduit.



Certified File #LL18858. Conforms to CSA Standard C22.2 No 56-17. Conforms to Annex A "Heavy-Duty" in sizes 1/2" – 4". FT1



WEEE and RoHS Compliant



BS EN IEC 61386 Classification Code 444240650414 **CE Declaration**

ARRA: For ARRA Certification Letter, please [click here](#)



NSF Certified Component **NSF Listing**



BABA Compliant

STANDARD COLORS

Blue.

- Class II Div. 1: Article 502.10 (A)(2) & 502.30 (B) Div. 2: 502.10 (B)(2)
- Class III Div. 1: Article 503.10 (A)(3) & 503.30 (B) Div. 2: 503.10 (B)

This conduit is intended for use according to the Canadian Electrical Code (CEC CSA 22.1-18) as described in clause 12-1300 for dry, damp or wet locations.

- Conforms to CSA C22.2 No. 56-17 Annex A "Heavy Duty"

Hazardous Locations areas where flexibility is necessary:

- Class I Div 2: CSA 22.1 J18-152 (1) (i)
- Class II Div 1: CSA 22.1 J18-204 (4) (b)
- Class II Div 2: CSA 22.1 J18-254 (1) (h)
- Class III Div 1: CSA 22.1 J18-304 (1) (f)
- Class III Div 2: CSA 22.1 J18-354 (h)
- Zone 2: CSA 22.1 18-152 (1) (h)
- Zone 20: CSA 22.1 18-192 (3) (a)
- Zone 21: CSA 22.1 18-202 (4) (a)
- Zone 22: CSA 22.1 18-252 (1) (h)

Industries Served:

- Poultry Processing & Misc. Food Manufacturing (SIC 2015)
- Food Product Machinery Manufacturing (SIC 2011)
- Pharmaceutical Preparation Manufacturing (SIC 2834)
- Food Packaging, Canning and Bottling

Markets:

Food Processing, Healthcare, Pharmaceuticals

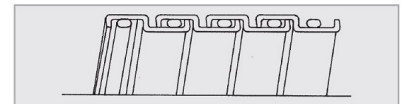
WORKING TEMPERATURES

UL: -30°C to 105°C Dry / 60°C Wet / 70°C Oil

CSA: -30°C to 105°C Dry / 75°C Oil

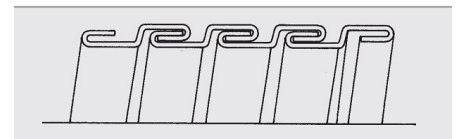
UL: -22°F to 221°F Dry / 140°F Wet / 158°F Oil

CSA: -22°F to 221°F Dry / 167°F Oil

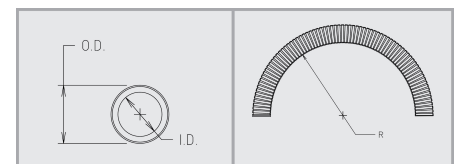


Squarelock with Filler Sizes:

3/8" - 1-1/4"



Interlock Sizes: 1-1/2" - 4"



Product Table

	US Trade Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
	ISO (MM)	16	20	25	32	40	50	63	70	80	90	100
	CSA (MM)	12	16	21	27	35	41	53	63	78	91	103
	Type	LAFG-10	LAFG-11	LAFG-12	LAFG-13	LAFG-14	LAFG-15	LAFG-16	LAFG-17	LAFG-18	LAFG-350	LAFG-19
Internal Diameter	Min (IN.)	0.484	0.622	0.820	1.041	1.380	1.575	2.020	2.480	3.070	3.500	4.000
	Max (IN.)	0.504	0.642	0.840	1.066	1.410	1.600	2.045	2.505	3.100	3.540	4.040
Outer Diameter	Min (IN.)	0.690	0.820	1.030	1.290	1.630	1.865	2.340	2.840	3.460	3.960	4.460
	Max (IN.)	0.710	0.840	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.000	4.500
Inside Bend Radius	Static (IN.)	2.0	3.0	4.2	5.5	7.0	4.5	6.0	8.0	10.0	11.0	12.0
	Dynamic (IN.)	4.0	5.0	6.0	12.0	15.0	17.0	22.0	30.0	36.0	43.0	52.0
Weight	Lbs. per 100 Ft	29	32	53	82	102	124	145	192	252	308	350
Standard Length	Carton (Ft.)	25/100	25/100	25/100	25/100	25/50	25/50	25/50	25	25	25	25
	Part #	20901	21901	22901	23902	24902	25902	36902				
	Reel (Ft)	500	500	500	400	200	150	100	275	175	175	100
	Part #	20903	21903	22904	23904	24904	25904	26904				
	Reel (Ft)	1000	1000	1000								
	Part #	20904	21904	22910								

related products



Type LSSFG

A non-UL liquidtight stainless steel flexible conduit that is now antimicrobial, and is designed for a variety of installations requiring motion, vibration, and bending on food processing equipment. It offers excellent resistance to corrosion.

[see product detail »](#)



Type NMFG

A Food Grade nonmetallic liquidtight conduit that offers excellent protection to wiring from abrasion, sunlight, mild acids, alkaline and oils. It is intended for food and beverage machinery applications.

[see product detail »](#)



Type LNMP Food Grade

This UL listed (cULus) nonmetallic liquidtight blue conduit is now antimicrobial and is designed for a variety of installations regarding motion, vibration, and bending on food processing equipment. It is often specified in "Power Track" or cable carrier installations and on industrial robots. It does not contain a metal core which could fatigue from repeated flexing or vibration.



Type LA

A flexible steel conduit which is both listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications. It offers outstanding protection against wet, oily conditions and is permitted for use in exposed or concealed locations.