
 TECHNICAL DATA SHEET

Type LT4GE - general purpose stainless steel, CE

Liquid-tight flexible metallic conduit

T&B Liquidtight Systems®



Stainless steel 304 general purpose, CE certified liquid-tight flexible metallic conduits provide excellent strength, corrosion protection and liquid-tight performance

Certifications / Standards:


Features:

- Designed to meet UL 360 ID/OD dimension requirements
- Full compliance to IEC/EN 61386-1 requirements, CE certified
- Trade sizes from 3/8" to 4" (12mm to 100mm)
- Coordinated performance with Series 5300SST6 stainless steel 316 fittings
- Smooth extruded jackets provide best performance with fittings

Applications:

- General purpose, industrial grade liquid-tight flexible metallic conduit
- Used extensively in corrosive environments and where flexibility is necessary for motion, vibration and bending
- Typical applications include water/wastewater plants, food & beverage installations, chemical processing plants, marine and salt environments, pulp and paper
- Sunlight resistant jacket material allows this product to be used in outdoor applications
- Liquid-tight applications against water, oils, cutting fluids, mild acids
- For use in electrical circuits up to 1,000 V

Construction / Material / Finish:

- Stainless steel 304 core
- PVC (Polyvinyl Chloride) extruded smooth jacket
- -Ink jet printed ratings and technical information
- Full range of trade sizes from 3/8" to 4" (12mm to 150mm) 3/8" to 4", fully interlocked design
- Colors: Clear (standard), gray (optional)

Environment ratings:
Working Temperature:

- Gen:
 - Dry: -20 to +80°C (-4 to +176°F)
 - Oil: -20 to +70°C (-4 to +158°F)
 - Wet: -20 to +60°C (-4 to +140°F)
- IEC/CE:
 - Gen: -15 to +60°C (+5 to +140°F)

Chemical resistance guide:

- See publication TDS000117

Conforms to:

- IEC/EN 61386-1, -23, Conduit Systems for Cable Management EU DoC: EC-012-17-175
- CE (Conformité Européenne, European Conformity)
- RoHS (Restriction of Hazardous Substances directive)

Standards requirements:

Designed to UL 360 and CSA 22.2, No. 56 standard requirements for ID and OD dimensions.

Meets all IEC/EN 61386-23 standard requirements including:

- Compression strength - Code 4 Heavy; 1250 N/50mm
- Impact strength - Code 4 Heavy; 6 Joules
- Tensile strength - Code 3 Medium; 500 N/2 min.
- This product is designed for use in specific applications where UL, CSA or other agency approvals are not required.

Ingress protection:

- Covers all trade sizes from 3/8" to 4" (12mm to 103mm)

System ingress ratings:

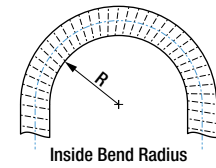
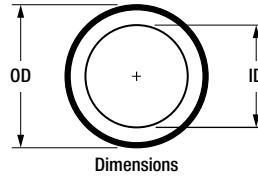
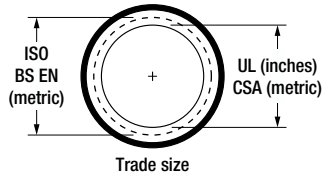
- Products tested and comply with UL 50E and CSA C22.2, No. 94.2 Type Rating requirements
 - Indoor: NEMA 4, 4X, 12, 13
 - Outdoor: NEMA 3, 3R, 4, 4X
- NEMA 250: NEMA 3, 3R, 4, 4X, 12, 13

IEC system ingress rating:

- IP ingress protection per IEC/EN 60529 requirements
- IEC ingress ratings: IP66, IP67

Liquid-tight flexible metallic conduit, type LT4GE
General purpose stainless steel, CE

| Product selection | | | | | | | | | | | | | | | | |
|-------------------|----|-----------|--------------|-----------------|------|-------|--------------|-----------------|--------------|-------|-------------|-----------------|--------|-----|--------|------|
| Trade size | | | Carton | | | | | | Coil length | | | | Weight | | | |
| Inches | mm | ISO BS EN | Part no./GID | | Feet | | Meter | | Part no./GID | | Feet | | Meter | | lbs/ft | kg/m |
| | | | Part no./GID | Part no./GID | Feet | Meter | Part no./GID | Part no./GID | Feet | Meter | | | | | | |
| 3/8 | 12 | 16 | LT4GES01C-C | 7TAA012LUOR0000 | 100 | 30 | LT4GES01C-K | 7TAA012LUOR0010 | 500 | 150 | LT4GES01C-L | 7TAA012LUOR0017 | 1,000 | 300 | 0.23 | 0.34 |
| | | | LT4GES02C-C | 7TAA012LUOR0001 | 100 | 30 | LT4GES02C-K | 7TAA012LUOR0011 | 500 | 150 | LT4GES02C-L | 7TAA012LUOR0018 | 1,000 | 300 | 0.28 | 0.42 |
| 3/4 | 21 | 25 | LT4GES03C-C | 7TAA012LUOR0002 | 100 | 30 | LT4GES03C-K | 7TAA012LUOR0012 | 500 | 150 | LT4GES03C-L | 7TAA012LUOR0019 | 1,000 | 300 | 0.38 | 0.57 |
| | | | LT4GES04C-C | 7TAA012LUOR0003 | 100 | 30 | LT4GES04C-J | 7TAA012LUOR0013 | 400 | 120 | — | — | — | — | 0.62 | 0.92 |
| 1 1/4 | 35 | 40 | LT4GES05C-B | 7TAA012LUOR0004 | 50 | 15 | LT4GES05C-E | 7TAA012LUOR0014 | 200 | 60 | — | — | — | — | 0.79 | 1.18 |
| | | | LT4GES06C-B | 7TAA012LUOR0005 | 50 | 15 | LT4GES06C-D | 7TAA012LUOR0015 | 150 | 45 | — | — | — | — | 1.03 | 1.53 |
| 2 | 53 | 63 | LT4GES07C-B | 7TAA012LUOR0006 | 50 | 15 | LT4GES07C-C | 7TAA012LUOR0016 | 100 | 30 | — | — | — | — | 1.19 | 1.77 |
| | | | LT4GES08C-A | 7TAA012LUOR0007 | 25 | 8 | — | — | — | — | — | — | — | — | 2.09 | 3.11 |
| 3 | 78 | 80 | LT4GES09C-A | 7TAA012LUOR0008 | 25 | 8 | — | — | — | — | — | — | — | — | 2.95 | 4.39 |
| | | | LT4GES11C-A | 7TAA012LUOR0009 | 25 | 8 | — | — | — | — | — | — | — | — | 4.10 | 6.10 |



| Dimensions | | | | | | | | | | | | | | | |
|-------------|------------|-----|-----------|----------------------------|-----|---------|-------|-------------|-------|--------------|-------|-------------|-------|--------------|-------|
| Part No: | Trade size | | | Minimum inside bend radius | | | | Inches | | | | Millimeters | | | |
| | Inches | mm | ISO BS EN | Static | | Dynamic | | Inside (ID) | | Outside (OD) | | Inside (ID) | | Outside (OD) | |
| | | | | Inches | mm | Inches | mm | Min | Max | Min | Max | Min | Max | Min | Max |
| LT4GES01C-* | 3/8 | 12 | 16 | 2.0 | 51 | 4.0 | 102 | 0.484 | 0.504 | 300 | 0.710 | 12.3 | 12.8 | 17.5 | 18.0 |
| LT4GES02C-* | 1/2 | 16 | 20 | 3.0 | 76 | 5.0 | 127 | 0.622 | 0.642 | — | 0.840 | 15.8 | 16.3 | 20.8 | 21.3 |
| LT4GES03C-* | 3/4 | 21 | 25 | 4.2 | 107 | 6.0 | 152 | 0.820 | 0.840 | 300 | 1.050 | 20.8 | 21.3 | 26.2 | 26.7 |
| LT4GES04C-* | 1 | 27 | 32 | 5.5 | 140 | 12.0 | 305 | 1.041 | 1.066 | — | 1.315 | 26.4 | 27.1 | 32.8 | 33.4 |
| LT4GES05C-* | 1 1/4 | 35 | 40 | 7.0 | 178 | 15.0 | 381 | 1.380 | 1.410 | 300 | 1.660 | 35.1 | 35.8 | 41.4 | 42.2 |
| LT4GES06C-* | 1 1/2 | 41 | 50 | 4.5 | 114 | 17.0 | 432 | 1.575 | 1.600 | — | 1.900 | 40.0 | 40.6 | 47.4 | 48.3 |
| LT4GES07C-* | 2 | 53 | 63 | 6.0 | 152 | 22.0 | 559 | 2.020 | 2.045 | — | 2.375 | 51.3 | 51.9 | 59.4 | 60.3 |
| LT4GES08C-* | 2 1/2 | 63 | 70 | 8.0 | 203 | 29.0 | 737 | 2.480 | 2.505 | — | 2.875 | 63.0 | 63.6 | 72.1 | 73.0 |
| LT4GES09C-* | 3 | 78 | 80 | 10.0 | 254 | 36.0 | 914 | 3.070 | 3.100 | — | 3.500 | 78.0 | 78.7 | 87.9 | 88.8 |
| LT4GES11C-* | 4 | 100 | 100 | 12.0 | 305 | 52.0 | 1,321 | 4.000 | 4.040 | — | 4.500 | 101.6 | 102.6 | 113.3 | 114.3 |

Note: Product must be installed in accordance with applicable national and local electrical codes.

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