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Both Gross Automation, as the distribution channel, and Carlon, part of the Thomas & Betts family of ABB Installation Products, are happy to help you.

Gross Automation’s Global Sales

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## Carflex Fittings Installation Instructions

### LT43C-CAR, LT43F thru J, LT20C-CAR, LT20F thru J.

1. Cut the end of the Carflex conduit or Carflex® X-Flex™ tubing square.
2. Install compression nut and sealing gland ring over the end of the conduit or tubing.
3. Insert the ferrule end of the fitting into the conduit using a clockwise twisting action.
4. Screw fitting body into compression nut.
5. When installation is completed, use a wrench, tighten compression nut one-quarter (1/4) turn past hand-tight. Do not over tighten fitting.

\*To prevent damage to conductors, conduit and fittings, do not twist Carflex during installation.

### LT43D-New, LT43E-New, LT20D-New, LT20E-New.

1. Cut the end of the Carflex conduit or Carflex® X-Flex™ tubing square.
2. Install compression nut over the end of the conduit or tubing.
3. Insert the ferrule end of the fitting into the conduit using a clockwise twisting action. (Be sure conduit is fully inserted to the bottom of the fitting shoulder).
4. Screw compression nut onto fitting body.
5. Use a wrench, and tighten compression nut one (1) full turn past hand-tight. Do not over tighten fitting.

\*To prevent damage to conductors, conduit and fittings, do not twist Carflex during installation.

## Carflex Liquidtight Conduit Technical Information

1. There shall be no more than the equivalent of four (4) quarter (90°) bends (360° total) between pull points, conduit bodies, and boxes.
2. The radius of the curve of the center of the conduit or tubing shall not be less than that shown in the table below:

SIZE OF CONDUIT OR TUBING		RADIUS TO CENTER OF CONDUIT OR TUBING	
Inches	Metric Desgr.	Inches	(mm)
3/8	(14)	4	(101.6)
1/2	(16)	4	(101.6)
3/4	(21)	4 1/2	(114.3)
1	(27)	5 3/4	(146.0)
1 1/4	(35)	7 1/4	(184.1)
1 1/2	(41)	8 1/4	(209.5)
2	(53)	9 1/2	(241.3)

## UL Listed for use as indicated in Article 356 of the National Electrical Code

- Cellular Metal Floor Raceways, Connections to Cabinets & Wall Outlets
- Class I, Div. 2, Hazardous Location
- Class II, Div. 1, Hazardous Location
- Class III, Div. 1, Hazardous Location
- Computer Room Raised Floor
- Concealed Locations
- Intrinsically Safe Systems
- Lighting Fixtures, Connection to Electric Discharge Fixture
- Nonmetallic Boxes
- RV Engine Generator
- Swimming Pool Pump Motor
- Tap Conductors (Fixture Whips)
- Underfloor Raceway, Connection to Cabinets & Wall Outlets
- Wireway, Extensions from Wireways, Wiring Methods
  - Agricultural Buildings, Flexible Connections
  - Electric Signs, 600 Volts, Nominal, or Less
  - Electric Signs, Over 600 Volts
  - Floating Buildings
  - Marinas and Boatyards
  - Service Entrance Conductors
- Wiring on Buildings, Outside Branch Circuits & Feeders
- Direct Burial Applications