### **Carflex Fittings Installation Instructions**

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

- Cut the end of the Carflex conduit or Carflex<sup>®</sup> X-Flex<sup>™</sup> tubing square.
- 2. Install compression nut and sealing gland ring over the end of the conduit or tubing.
- 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.

- Cut the end of the Carflex conduit or Carflex<sup>®</sup> X-Flex<sup>™</sup> 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 <sup>1</sup> /2	(114.3)
1	(27)	5 3/4	(146.0)
1 1/4	(35)	7 1/4	(184.1)
1 <sup>1</sup> /2	(41)	8 <sup>1</sup> /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