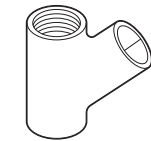


INSTALLING INSTRUCTIONS

Sealing fittings

EVH and EYV series



EYV series



EVH series

— NOTICE —
Retain instructions for future reference.

⚠ WARNING ⚠

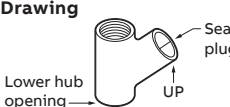
• De-energize all electrical circuits prior to and during installation and maintenance.

EYV series:

Vertical installation

1. Install sealing fitting in orientation as shown in table 1 and pull wires.
2. Remove seal plug.
3. Using Red Dot® EXPF packing fiber, dam the lower hub opening.
IMPORTANT: Packing fibers should completely separate individual conductors from each other and fitting walls.
4. Mix and pour Red Dot® EXSC compound according to product directions, see table 1 below.
5. Replace seal plug being sure to engage at least five (5) full threads.
6. Allow a minimum of 72 hours setting time for the compound.

Table 1 - Approximate amount of compound required:

| Drawing | Fitting size | Amount of compound (EXSC-2) |
|---|--------------|-----------------------------|
| | | |
|  | ½" or ¾" | 1 package (3 ozs.) |
| | 1" | 2 package (6 ozs.) |

EVH series:

Vertical installation

1. Install sealing fitting in orientation as shown in table 2, and pull in wiring. Open "A" and "B".
2. Using Red Dot® EXPF packing fiber, dam the lower hub opening flush with the conduit throat. **IMPORTANT:** Packing fibers should completely separate individual conductors from each other and fitting walls.
3. Close opening "B" with plug or cover provided. Thread B tightly until it stops.



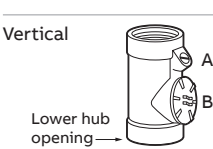
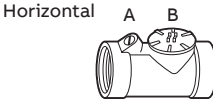
Read and understand all instructions and safety information before use. Be aware of proper usage and potential hazards.

4. Mix and pour Red Dot® EXSC compound into the fitting at least to bottom of "A" opening thread. See table 2 below for recommended amount. Close opening "A" with plug provided.
5. Allow a minimum of 72 hours setting time for the compound.

Horizontal installation

1. Install sealing fitting in orientation as shown in table 2, and pull in wiring. Open "A" and "B".
2. Using Red Dot® EXPF packing fiber, dam the ends of the fitting as follows:
 - ½" through 2" sizes, dam the end nearest "B" opening at least 1" away from the edge of the opening. Dam the other end flush with the conduit throat.
 - 2½", 3", 3½" and 4" sizes, dam the nearest "B" opening at least 1½" away from the edge of the opening. Dam the other end flush with the conduit throat. **IMPORTANT:** Packing fibers should completely separate individual conductors from each other and fitting walls.
3. Mix and pour Red Dot® EXSC compound into the fitting at least to bottom of thread "B". See table 2 below for recommended amount. Close "A" and "B" with plug or cover provided.
4. Allow a minimum of 72 hours setting time for the compound.

Table 2 - Approximate amount of compound required:

| Drawing | Fitting size | Weight of compound (ounces) | |
|--|--------------|-----------------------------|------------|
| | | Vertical | Horizontal |
|  | ½" and ¾" | 3 | 3 |
| | 1" and 1¼" | 6 | 6 |
| | 1½" | 9 | 9 |
| | 2" | 18 | 18 |
|  | 2½" | 36 | 36 |
| | 3" | 48 | 54 |
| | 3½" | 60 | 80 |
| | 4" | 72 | 102 |

Maximum number of conductors that can be sealed in a fitting

Table 3 - The maximum number of wire (a), (b) that can be sealed in a sealing fitting are as follows:

| Size AWG or MCM | ½ inch | | ¾ inch | | 1 inch | | 1¼ inch | | 1½ inch | | 2 inch | | 2½ | | 3 inch | | 3½ inch | | 4 inch | | 5 inch | | 6 inch | | |
|--------------------------|--------|----|--------|----|--------|----|---------|----|---------|----|--------|----|----|-----|--------|-----|---------|-----|--------|-----|--------|-----|--------|----|--|
| | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | A | B | |
| 18 | 7 | 11 | 12 | 20 | 12 | 20 | 20 | 33 | 35 | 58 | 49 | 80 | 80 | 131 | 115 | | | | | | | | | | |
| 16 | 6 | 9 | 10 | 16 | 17 | 27 | 17 | 27 | 30 | 47 | 41 | 64 | 68 | 106 | 98 | | | | | | | | | | |
| 14 | 3 | 8 | 6 | 15 | 10 | 24 | 10 | 24 | 18 | 43 | 25 | 58 | 41 | 96 | 58 | | 90 | | | 121 | | | | | |
| 12 | 3 | 6 | 5 | 11 | 8 | 18 | 8 | 18 | 15 | 32 | 21 | 43 | 34 | 71 | 50 | 102 | 76 | | 103 | | | | | | |
| 10 | 1 | 4 | 4 | 7 | 7 | 11 | 13 | 20 | 13 | 20 | 20 | 27 | 29 | 45 | 41 | 65 | 64 | 100 | 86 | 134 | 110 | | | | |
| 8 | 1 | 2 | 2 | 4 | 4 | 6 | 7 | 11 | 9 | 16 | 9 | 16 | 16 | 26 | 22 | 37 | 35 | 58 | 47 | 78 | 60 | 100 | 94 | | |
| 6 | 1 | 1 | 1 | 2 | 2 | 4 | 4 | 7 | 6 | 9 | 10 | 16 | 15 | 23 | 15 | 23 | 23 | 35 | 32 | 47 | 41 | 61 | 64 | 96 | |
| 4 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 12 | 14 | 18 | 21 | 18 | 21 | 24 | 29 | 31 | 37 | 49 | 59 | |
| 3 | | | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 7 | 8 | 10 | 12 | 16 | 18 | 16 | 18 | 21 | 24 | 28 | 31 | 44 | 50 | |
| 2 | | | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 6 | 7 | 9 | 10 | 14 | 15 | 14 | 15 | 19 | 20 | 24 | 26 | 38 | 42 | |
| 1 | | | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 7 | 7 | 10 | 11 | 10 | 11 | 14 | 15 | 18 | 20 | 29 | 31 | |
| 0 | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 4 | 6 | 6 | 9 | 9 | 12 | 13 | 12 | 13 | 16 | 16 | 25 | 26 | |
| 2/0 | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | 8 | 8 | 11 | 11 | 14 | 14 | 14 | 14 | 22 | 22 | |
| 3/0 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 7 | 7 | 9 | 9 | 12 | 12 | 12 | 12 | 19 | 19 | |
| 4/0 | | | | | | | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 6 | 6 | 8 | 8 | 10 | 10 | 10 | 10 | 16 | 16 | |
| 250 | | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 8 | 8 | 11 | 11 | 15 | 15 | |
| 300 | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 7 | 7 | 10 | 10 | 15 | 15 | |
| 350 | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 10 | 10 | 14 | 14 | |
| 400 | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 6 | 6 | 9 | 9 | 13 | 13 | |
| 500 | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 5 | 5 | 8 | 8 | 11 | 11 | |
| 600 | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 6 | 6 | 9 | 9 | |
| 700 | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 6 | 6 | 8 | 8 | |
| 750 | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 5 | 5 | 8 | 8 | |
| 800 | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 5 | 7 | 7 | |
| 900 | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 7 | 7 | |
| 1000 | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | 6 | 6 | |
| 1250 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | | |
| 1500 | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 4 | | |
| 1750 | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 4 | 4 | | |
| 2000 | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | | |

(a) Col. A = Type RFH-2, RH, RHH, RHW, THW, TW, XHHW (AWG14-6), FEPB (AWG6-2)
 Col. B = FEP, THHN, THWN, TFN, PF, PGF, XHHW, (AWG4-2000MCM), FEPB (AWG14-8)

(b) Any combination of these wires are not to exceed 25 percent of the cross section of the conduit for the fitting in which fill may be used.

Source: UL1203 Table 102.1 Revised December 29, 2017