

# Armored Cable and Flexible Metal Conduit Connectors

COMMERCIAL AND INDUSTRIAL FITTINGS: ARMORED CABLE, METAL CLAD, FLEXIBLE METAL CONDUIT AND NONMETALLIC CONNECTORS

NEC/CEC:  
Rated for Ordinary Locations

NEC/CEC:  
Listed for Ordinary Locations

## Combination Coupling 3/8" Flexible Metal Conduit to 1/2" EMT

### Applications

- To couple 3/8" flexible metal conduit to 1/2" EMT conduit.

### Features

- Furnished with locknut.

### Standard Material

- Zinc diecast

## Armored Ground Wire and Nonmetallic Sheathed Cable <sup>①</sup> Connector

### Applications

- To ground and secure armored ground wire and nonmetallic sheathed cable to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.

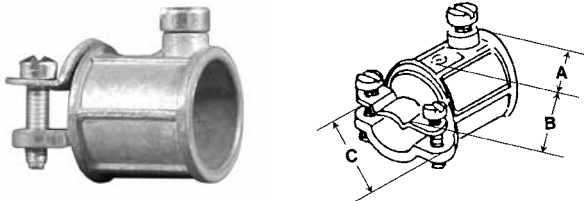
### Standard Material

- Malleable iron/zinc plated

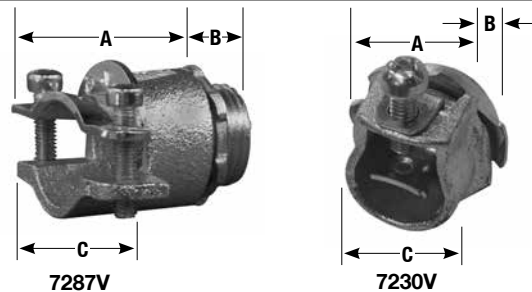
### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11852, E-11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795, 065178
- NEMA: FB-1

### Illustrated Dimensions



### Illustrated Dimensions



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |               | Dimensions in Millimeters (Inches) |                |                | Weight per 100 kg (lb) | Catalog Number         |
|--------------------------------|---------------------------------------|---------------|------------------------------------|----------------|----------------|------------------------|------------------------|
|                                | Max.                                  | Min.          | A                                  | B              | C              |                        |                        |
| 3/8                            | 16.0<br>(0.63)                        | 5.6<br>(0.22) | 22.4<br>(0.88)                     | 10.4<br>(0.41) | 31.8<br>(1.25) | 3.40<br>(7.50)         | TW38-50DC <sup>②</sup> |

| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |                | Bushed Hole Diameter | Dimensions in Millimeters (Inches) |                |                | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|----------------|----------------------|------------------------------------|----------------|----------------|------------------------|----------------|
|                                | Max.                                  | Min.           |                      | A                                  | B              | C              |                        |                |
| 1/2                            | 23.9<br>(0.94)                        | 10.4<br>(0.41) | 14.9<br>(0.59)       | 27.7<br>(1.09)                     | 10.4<br>(0.41) | 47.8<br>(1.88) | 7.71<br>(17.00)        | 7287V          |
| 1/2 (3/4" knockout)            | 23.9<br>(0.94)                        | 14.9<br>(0.59) | 19.8<br>(0.78)       | 27.7<br>(1.09)                     | 11.2<br>(0.44) | 47.8<br>(1.88) | 8.62<br>(19.00)        | 7288V          |
| 3/8 (1/2" knockout)            | 16.0<br>(0.63)                        | 8.6<br>(0.34)  | -                    | 16.0<br>(0.63)                     | 11.2<br>(0.44) | 25.4<br>(1.00) | 3.18<br>(7.00)         | 7230V          |

<sup>①</sup> Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

<sup>②</sup> UL Listed and CSA Certification not applicable.

# Armored Cable and Flexible Metal Conduit Connectors

NEC/CEC:  
Listed for Ordinary Locations

NEC/CEC:  
Listed for Ordinary Locations

## Armored Cable <sup>①</sup> and Flexible Metal Conduit Duplex Connector

### Applications

- To ground and secure two armored cables to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.

### Standard Material/Finish

- Malleable iron/zinc electroplated

### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

## Armored Cable <sup>①</sup> and Flexible Metal Conduit - 45° Connectors

### Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.

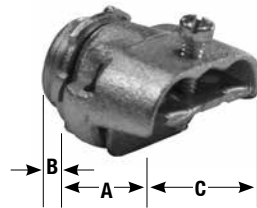
### Standard Material/Finish

- Malleable iron/steel/zinc electroplated

### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11852, E-11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

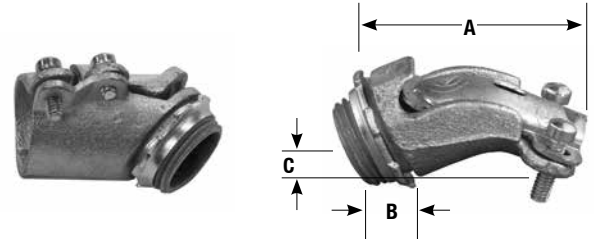
### Illustrated Dimensions



7240V

| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |            | Bushed Hole Diameter | Dimensions in Millimeters (Inches) |             |             | Weight per 100 kg (lb) | Catalog Number |
|--------------------------------|---------------------------------------|------------|----------------------|------------------------------------|-------------|-------------|------------------------|----------------|
|                                | Max.                                  | Min.       |                      | A                                  | B           | C           |                        |                |
| 3/8 (1/2" knockout)            | 16.0 (0.63)                           | 8.6 (0.34) | 10.4 (0.41)          | 24.6 (0.97)                        | 11.9 (0.47) | 44.5 (1.75) | 9.53 (21.00)           | 7240V          |

### Illustrated Dimensions



7247V

7245V, 7246V

| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |             | Bushed Hole Diameter | Dimensions in Millimeters (Inches) |             |             | Weight per 100 kg (lb) | Catalog Number     |
|--------------------------------|---------------------------------------|-------------|----------------------|------------------------------------|-------------|-------------|------------------------|--------------------|
|                                | Max.                                  | Min.        |                      | A                                  | B           | C           |                        |                    |
| 3/8 (1/2" knockout)            | 16.0 (0.63)                           | 9.7 (0.38)  | 13.5 (0.53)          | 41.4 (1.63)                        | 11.2 (0.44) | 25.4 (1.00) | 7.26 (16.00)           | 7245V              |
| 1/2                            | 23.9 (0.94)                           | 20.6 (0.81) | 13.5 (0.53)          | 42.9 (1.69)                        | 11.2 (0.44) | 31.8 (1.25) | 10.21 (22.50)          | 7246V <sup>②</sup> |
| 3/4                            | 28.4 (1.12)                           | 24.1 (0.95) | 20.6 (0.81)          | 44.5 (1.75)                        | 11.2 (0.44) | 38.1 (1.50) | 12.70 (28.00)          | 7247V <sup>②</sup> |

<sup>①</sup> Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

<sup>②</sup> UL Listed and CSA Certification not applicable.

# Armored Cable and Flexible Metal Conduit Connectors

**NEC/CEC:**  
Listed for Ordinary Locations

**NEC/CEC:**  
Listed for Ordinary Locations

## Armored Cable <sup>①</sup> and Flexible Metal Conduit - 90° Connectors

### Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

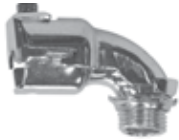
### Standard Material/Finish

- Malleable iron/steel/zinc electroplated

### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11852
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1

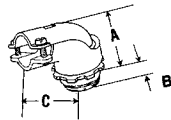
### Illustrated Dimensions



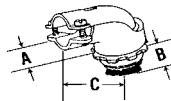
7381V, 7382V



7381VI, 7382VI



7380V



7381VI

## Armored Cable <sup>①</sup> and Flexible Metal Conduit Straight Connectors

### Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

### Standard Material/Finish

- Malleable iron/zinc electroplated

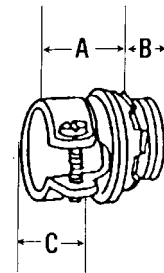
### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11852
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795, 065178
- NEMA: FB-1

### Illustrated Dimensions



7265V



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |             | Dimensions in Millimeters (Inches) |             |             | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|-------------|------------------------------------|-------------|-------------|------------------------|----------------|---------------------------------|
|                                | Max.                                  | Min.        | A                                  | B           | C           |                        |                |                                 |
| 3/8 (1/2" knockout)            | 16.0 (0.63)                           | 7.9 (0.31)  | 19.1 (0.75)                        | 11.2 (0.44) | 31.8 (1.25) | 6.62 (14.60)           | 7380V          | -                               |
| 1/2                            | 23.9 (0.94)                           | 14.9 (0.59) | 38.1 (1.50)                        | 11.2 (0.44) | 50.8 (2.00) | 10.25 (22.60)          | 7381V          | 7381VI                          |
| 3/4                            | 28.4 (1.12)                           | 20.6 (0.81) | 42.9 (1.69)                        | 11.2 (0.44) | 50.8 (2.00) | 14.97 (33.00)          | 7382V          | 7382VI                          |

| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |             | Dimensions in Millimeters (Inches) |             |             | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|-------------|------------------------------------|-------------|-------------|------------------------|----------------|---------------------------------|
|                                | Max.                                  | Min.        | A                                  | B           | C           |                        |                |                                 |
| 3/8 (1/2" knockout)            | 16.0 (0.63)                           | 11.9 (0.47) | 13.5 (0.53)                        | 11.2 (0.44) | 29.5 (1.16) | 3.18 (7.00)            | 7265V          | -                               |
| 3/8 (1/2" knockout)            | 17.5 (0.69)                           | 13.5 (0.53) | 21.4 (0.84)                        | 11.2 (0.44) | 29.5 (1.16) | 5.17 (11.40)           | 7480V          | 7480VI                          |
| 1/2                            | 23.9 (0.94)                           | 19.1 (0.75) | 22.4 (0.88)                        | 11.2 (0.44) | 38.1 (1.50) | 5.44 (12.00)           | 7481V          | 7481VI                          |
| 3/4                            | 28.6 (1.1)                            | 23.1 (0.91) | 26.9 (1.06)                        | 11.2 (0.44) | 42.2 (1.66) | 7.94 (17.50)           | 7482V          | 7482VI                          |

<sup>①</sup> Select connectors by physical dimensions of cable as dimensions may vary between manufacturers.

# Armored Cable and Flexible Metal Conduit Connectors

NEC/CEC:  
Listed for Ordinary Locations

## Flexible Metal Conduit - 90° Connectors

### Applications

- To ground and secure armored cable and flexible metal conduit to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

### Standard Material/Finish

- Malleable iron/zinc electroplated

### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178
- NEMA: FB-1



7383



7383I

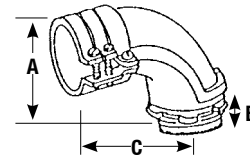


7385I



7385

### Illustrated Dimensions



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |             | Dimensions in Millimeters (Inches) |             |              | Weight per 100 kg (lb) | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|-------------|------------------------------------|-------------|--------------|------------------------|----------------|---------------------------------|
|                                | Max.                                  | Min.        | A                                  | B           | C            |                        |                |                                 |
| 1                              | 35.1 (1.38)                           | 30.2 (1.19) | 58.7 (2.31)                        | 12.7 (0.50) | 54.1 (2.13)  | 25.40 (56.00)          | 7383           | 7383I                           |
| 1-1/4                          | 45.2 (1.78)                           | 37.3 (1.47) | 71.4 (2.81)                        | 14.2 (0.56) | 69.9 (2.75)  | 53.52 (118.00)         | 7384           | 7384I                           |
| 1-1/2                          | 50.8 (2.00)                           | 43.7 (1.72) | 75.4 (2.97)                        | 14.2 (0.56) | 88.9 (3.50)  | 79.83 (176.00)         | 7385           | 7385I                           |
| 2                              | 61.9 (2.44)                           | 50.8 (2.00) | 104.9 (4.13)                       | 19.1 (0.75) | 120.7 (4.75) | 131.54 (290.00)        | 7386           | 7386I                           |
| 2-1/2                          | 76.2 (3.00)                           | 67.6 (2.66) | 124.0 (4.88)                       | 26.9 (1.06) | 149.4 (5.88) | 204.12 (450.00)        | 7387           | 7387I                           |
| 3                              | 88.9 (3.50)                           | 80.3 (3.16) | 139.7 (5.50)                       | 26.9 (1.06) | 168.4 (6.63) | 277.60 (612.00)        | 7388           | 7388I                           |

# Armored Cable and Flexible Metal Conduit Connectors

COMMERCIAL AND INDUSTRIAL FITTINGS: ARMORED CABLE, METAL CLAD, FLEXIBLE METAL CONDUIT AND NONMETALLIC CONNECTORS

NEC/CEC: — Listed for Ordinary Locations  
Suitable for use with flexible metal conduit in  
Class I, Division 2 Hazardous Locations per  
NEC 501.10 (B)(2)

## Flexible Metal Conduit Connectors One Screw and Two Screw

### Applications

- To ground and secure flexible metal conduit or armored cable to boxes and enclosures.

### Features

- Furnished with locknut.
- Male hub threads — NPS.
- Insulated throat version available.

### Standard Material/Finish

- Malleable iron/zinc electroplated

### NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E-11853
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 009795
- NEMA: FB-1
- 7483/7483I – 7488/7488I CSA Certified for Armored Cable



7483



7483I

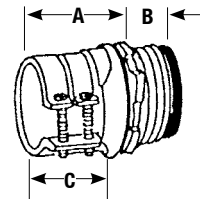


7485



7485I

### Illustrated Dimensions



| Flexible Conduit Size (Inches) | Cable Opening in Millimeters (Inches) |              | Dimensions in Millimeters (Inches) |             |              | Catalog Number | Insulated Throat Catalog Number |
|--------------------------------|---------------------------------------|--------------|------------------------------------|-------------|--------------|----------------|---------------------------------|
|                                | Max.                                  | Min.         | A                                  | B           | C            |                |                                 |
| <b>One Screw</b>               |                                       |              |                                    |             |              |                |                                 |
| 1                              | 35.1 (1.38)                           | 26.2 (1.03)  | 28.7 (1.13)                        | 12.7 (0.50) | 50.0 (1.97)  | 7483           | 7483I                           |
| 1-1/4                          | 41.28 (1.63)                          | 35.1 (1.38)  | 28.7 (1.13)                        | 14.2 (0.56) | 57.2 (2.25)  | 7484           | 7484I                           |
| <b>Two Screw</b>               |                                       |              |                                    |             |              |                |                                 |
| 1-1/2                          | 49.5 (1.95)                           | 41.4 (1.63)  | 46.7 (1.84)                        | 14.2 (0.56) | 59.4 (2.34)  | 7485           | 7485I                           |
| 2                              | 62.2 (2.45)                           | 54.9 (2.16)  | 50.8 (2.00)                        | 19.1 (0.75) | 84.1 (3.31)  | 7486           | 7486I                           |
| 2-1/2                          | 77.7 (3.06)                           | 68.6 (2.70)  | 50.8 (2.00)                        | 20.6 (0.81) | 103.9 (4.09) | 7487           | 7487I                           |
| 3                              | 90.4 (3.56)                           | 77.0 (3.03)  | 55.6 (2.19)                        | 23.9 (0.94) | 115.8 (4.56) | 7488           | 7488I                           |
| 3-1/2                          | 104.9 (4.13)                          | 95.3 (3.75)  | 62.0 (2.44)                        | 25.4 (1.00) | 130.3 (5.13) | 7489           | 7489I                           |
| 4                              | 118.6 (4.67)                          | 106.4 (4.19) | 68.3 (2.69)                        | 25.4 (1.00) | 144.5 (5.69) | 7490           | 7490I                           |