# E-Z WELD® CONDUIT

BY ALVA Manufacturing

## PRODUCT CATALOG

### PVC Conduit System

• SCH 40 and 80 PVC Pipes •

PVC Utility Duct • PVC Elbows

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# E-Z WELD® CONDUIT BY ALVA

***ALVA Manufacturing*** is your trusted source for high-quality PVC conduit solutions. With over 30 years of manufacturing expertise, we deliver UL-Certified conduits designed for reliability and safety across a range of electrical applications.

Our conduits, utility ducts, and elbows meet stringent standards while ensuring ease of installation.

In addition to PVC, our plants manufacture CPVC, HDPE, and PPR pipes, offering comprehensive solutions tailored to our customers.

At ***ALVA Manufacturing***, we prioritize customer satisfaction by seamlessly managing the supply chain from order to delivery. Our commitment to quality and innovation ensures consistent performance and reliability in every product.

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## *PVC Conduit*

**PVC Conduit**, also known as polyvinyl chloride conduit, is a type of plastic pipe commonly used in electrical applications to protect and route electrical wiring. It is a rigid, non-metallic pipe made of PVC material, which is a thermoplastic polymer that is lightweight, durable, and resistant to corrosion, moisture, and impact.

***ALVA Manufacturing*** offers **PVC Conduit** in sizes ranging from 1/2 inch to 6 inches in diameter. **PVC Conduit** is typically used in applications where a high degree of physical protection is required.

***ALVA Manufacturing*** **PVC Conduit** is easy to install and is certified to be used in outdoor and underground applications where exposure to harsh weather conditions or moisture is a concern. It can also be used in commercial and industrial settings, as well as in residential applications, such as wiring for lighting fixtures and outlets.

### *Non-metallic conduit, such as PVC conduit, has several advantages over metal conduit:*

**1. Corrosion Resistance:** Non-metallic conduit is resistant to corrosion, which makes it ideal for use in outdoor and damp environments. In contrast, metal conduit can corrode over time, particularly if it is exposed to moisture or other harsh conditions.

**2. Lightweight and Easy to Install:** Non-metallic conduit is much lighter than metal conduit, which makes it easier to install and handle. This can result in faster installation times and lower labor costs.

**3. Low Conductivity:** Non-metallic conduit has low conductivity, which means that it doesn't conduct electricity. This can be an advantage in situations where you want to reduce the risk of electrical shock.

**4. Cost-effective:** Non-metallic conduit is generally less expensive than metal conduit, making it an attractive option for projects with tight budgets.

**5. Chemical Resistance:** Non-metallic conduit is resistant to many chemicals and solvents, which can make it a good choice for use in industrial or chemical applications.

In summary, non-metallic conduit has several advantages over metal conduit, including **corrosion resistance, lightweight and easy installation, low conductivity, cost-effectiveness and chemical resistance**

PVC conduit with SCH. 40 (Schedule 40) and SCH. 80 (Schedule 80) designations refer to two different types of PVC conduit that have different wall thicknesses and are used for different applications. Here are some key differences between SCH. 40 and SCH. 80 PVC conduit:

### *Wall Thickness:*

SCH. 40 PVC conduit has a thinner wall compared to SCH. 80 PVC conduit. The wall thickness of SCH. 40 conduit is generally sufficient for most standard electrical wiring applications, while SCH. 80 conduit has a thicker wall, providing increased mechanical strength and durability.

### *Mechanical Strength:*

SCH. 80 PVC conduit is typically stronger and more rigid than SCH. 40 PVC conduit due to its thicker wall. It is designed to handle heavier loads and is suitable for applications where there may be higher mechanical stress or potential for damage, such as in industrial or commercial settings.

### *Durability:*

SCH. 80 PVC conduit is generally more durable than SCH. 40 PVC conduit due to its thicker wall, making it more resistant to impact, crushing, and other physical stresses. SCH. 80 conduit is often used in applications where increased durability and mechanical protection are required.

### *Cost:*

SCH. 40 PVC conduit is typically less expensive than SCH. 80 PVC conduit due to its thinner wall. SCH. 40 conduit is often used in residential and light commercial applications where cost may be a consideration, while SCH. 80 conduit is used in more heavy-duty applications that require increased mechanical strength and durability.

### *Application:*

SCH. 40 PVC conduit is commonly used in standard electrical wiring applications, such as residential and light commercial installations, where the conduit is not exposed to high levels of mechanical stress or potential for damage. SCH. 80 PVC conduit is typically used in more demanding applications, such as industrial, commercial, outdoor, and underground installations, where increased mechanical strength and durability are required.

*It's important to note that local building codes and regulations should always be followed when selecting and installing PVC conduit or any other electrical conduit, and professional consultation may be required for specific applications to ensure compliance and safety.*

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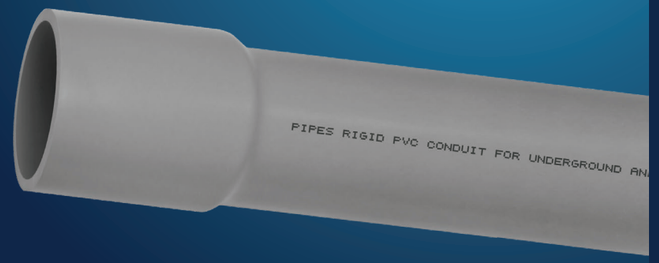
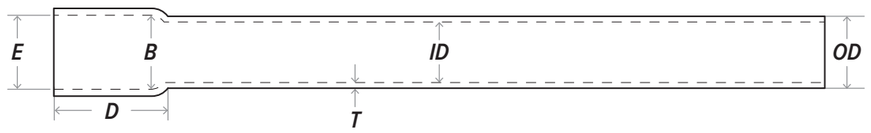



# PVC Conduit Schedule 40

UL LISTED

Schedule 40 PVC Conduit are manufactured with rigid Polyvinyl Chloride (PVC-U) compound according to the specifications of the UL 651 and ASTM D 1784 STANDARD.

- **Rated for use with 90-degree C wire.**
- UL Listed SUNLIGHT RESISTANT rated, according UL 651 - file number E528320
- Certified for underground and above ground usage
- For direct burial and encased burial usage
- Rigid non metallic PVC for wires and cables
- 10′ Lengths • 20′ Lengths (on request)




**PVC Conduit Schedule 40 (Crate Quantities)**

| Part No. | Size inch | Minimum wall inch | Average inch (OD) | Average inch (ID) | Average entrance inch (E) | Average bottom inch (B) | Length feet | Bell End inch (D) | Feet per bundle |
|---|---|---|---|---|---|---|---|---|---|
| P01UC | 1/2 | 0.109 | 0.840 | 0.578 | 0.852 | 0.836 | 10 | 1.77 | 6,000 |
| P02UC | 3/4 | 0.113 | 1.050 | 0.780 | 1.064 | 1.046 | 10 | 2.16 | 4,400 |
| P10UC | 1 | 0.133 | 1.315 | 1.004 | 1.330 | 1.310 | 10 | 2.56 | 3,600 |
| P11UC | 1-1/4 | 0.140 | 1.660 | 1.335 | 1.677 | 1.655 | 10 | 3.15 | 3,300 |
| P12UC | 1-1/2 | 0.145 | 1.900 | 1.564 | 1.918 | 1.894 | 10 | 3.15 | 2,250 |
| P20UC | 2 | 0.154 | 2.375 | 2.021 | 2.393 | 2.369 | 10 | 3.15 | 1,400 |
| P21UC | 2-1/2 | 0.203 | 2.875 | 2.414 | 2.890 | 2.868 | 10 | 3.15 | 930 |
| P30UC | 3 | 0.216 | 3.500 | 3.008 | 3.515 | 3.492 | 10 | 3.94 | 880 |
| P31UC | 3-1/2 | 0.226 | 4.000 | 3.486 | 4.015 | 3.992 | 10 | 3.94 | 630 |
| P40UC | 4 | 0.237 | 4.500 | 3.961 | 4.515 | 4.491 | 10 | 3.94 | 570 |
| P50UC | 5 | 0.258 | 5.563 | 4.975 | 5.593 | 5.553 | 10 | 3.94 | 380 |
| P60UC | 6 | 0.280 | 6.625 | 5.986 | 6.658 | 6.614 | 10 | 5.90 | 260 |
| P80UC | 8 | 0.322 | 8.622 | 7.850 | 8.670 | 8.610 | 10 | 6.29 | 180 |



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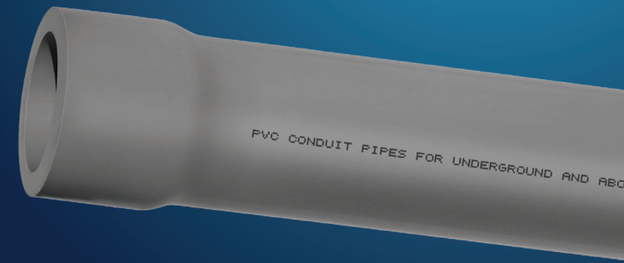
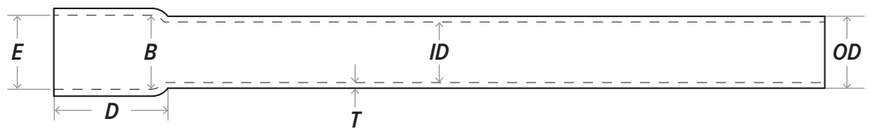



# PVC Conduit Schedule 80

UL LISTED

Schedule 80 PVC Conduit are manufactured with rigid Polyvinyl Chloride (PVC-U) compound according to the specifications of the UL 651 and ASTM D 1784 STANDARD.

- **Rated for use with 90-degree C wire.**
- UL Listed SUNLIGHT RESISTANT
- Designed for underground or aboveground applications that are at risk of physical damage
- Rigid non metallic PVC for wires and cables
- Plain end connections are solvent weld
- 10′ Lengths • 20′ Lengths (on request)




**PVC Conduit Schedule 80 (Crate Quantities)**

| Part No. | Size inch | Minimum wall inch | Average inch (OD) | Average inch (ID) | Average entrance inch (E) | Average bottom inch (B) | Length feet | Bell End inch (D) | Feet per bundle |
|---|---|---|---|---|---|---|---|---|---|
| P01HC | 1/2 | 0.147 | 0.840 | 0.502 | 0.852 | 0.836 | 10 | 1.77 | 6,000 |
| P02HC | 3/4 | 0.154 | 1.050 | 0.698 | 1.064 | 1.046 | 10 | 2.16 | 4,400 |
| P10HC | 1 | 0.179 | 1.315 | 0.910 | 1.330 | 1.310 | 10 | 2.56 | 3,600 |
| P11HC | 1-1/4 | 0.191 | 1.660 | 1.227 | 1.677 | 1.655 | 10 | 3.15 | 3,300 |
| P12HC | 1-1/2 | 0.200 | 1.900 | 1.446 | 1.918 | 1.894 | 10 | 3.15 | 2,250 |
| P20HC | 2 | 0.218 | 2.375 | 1.881 | 2.393 | 2.369 | 10 | 3.15 | 1,400 |
| P21HC | 2-1/2 | 0.276 | 2.875 | 2.250 | 2.890 | 2.868 | 10 | 3.15 | 930 |
| P30HC | 3 | 0.300 | 3.500 | 2.820 | 3.515 | 3.492 | 10 | 3.94 | 880 |
| P31HC | 3-1/2 | 0.318 | 4.000 | 3.486 | 4.015 | 3.992 | 10 | 3.94 | 630 |
| P40HC | 4 | 0.337 | 4.500 | 3.737 | 4.515 | 4.491 | 10 | 3.94 | 570 |
| P50HC | 5 | 0.375 | 5.563 | 4.713 | 5.593 | 5.553 | 10 | 3.94 | 380 |
| P60HC | 6 | 0.432 | 6.625 | 5.646 | 6.658 | 6.614 | 10 | 5.90 | 280 |
| P80HC | 8 | 0.500 | 8.622 | 7.460 | 8.670 | 8.610 | 10 | 6.29 | 180 |

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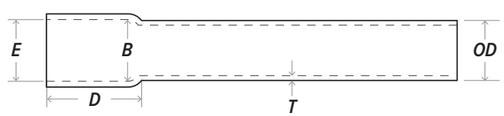
# Utility Duct DB (Direct Burial)

PVC Conduit Utility Duct is used to protect and manage underground cables. Utility ducts can be installed directly in the ground (direct burial). The utility ducts are designed to meet specific standards and requirements to ensure reliability and safety in various applications.

- Complies with NEMA TC 6 & 8.
- Built to withstand mechanical stress, making them reliable even in harsh underground conditions.
- 20’ lengths.
- Manufactured with high modulus of elasticity.




**PVC Conduit Utility duct Direct Burial 60**

| Part No. | Item description | Min. wall inch (T) | Average inch (OD) | Avg. entrance inch (E) | Avg. bottom inch (B) | Length inch | Bell end inch (D) | Feet per bundle |
|---|---|---|---|---|---|---|---|---|
| P20D6 | PVC Conduit Utility Duct 2″ DB60 | 0.060 | 2.375 | 2.387 | 2.369 | 240 | 3.150 | 2,800 |
| P30D6 | PVC Conduit Utility Duct 3″ DB60 | 0.092 | 3.500 | 3.516 | 3.492 | 240 | 3.740 | 1,760 |
| P40D6 | PVC Conduit Utility Duct 4″ DB60 | 0.121 | 4.500 | 4.518 | 4.491 | 240 | 3.937 | 1,140 |
| P50D6 | PVC Conduit Utility Duct 5″ DB60 | 0.152 | 5.563 | 5.583 | 5.553 | 240 | 4.331 | 760 |
| P60D6 | PVC Conduit Utility Duct 6″ DB60 | 0.182 | 6.625 | 6.647 | 6.614 | 240 | 5.000 | 560 |

**PVC Conduit Utility duct Direct Burial 100**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| P30D1 | PVC Conduit Utility Duct 3″ DB100 | 0.112 | 3.500 | 3.516 | 3.492 | 240 | 3.740 | 1,760 |
| P40D1 | PVC Conduit Utility Duct 4″ DB100 | 0.145 | 4.500 | 4.518 | 4.491 | 240 | 3.937 | 1,140 |
| P50D1 | PVC Conduit Utility Duct 5″ DB100 | 0.179 | 5.563 | 5.583 | 5.553 | 240 | 4.331 | 760 |
| P60D1 | PVC Conduit Utility Duct 6″ DB100 | 0.213 | 6.625 | 6.647 | 6.614 | 240 | 5.000 | 560 |

**PVC Conduit Utility duct Direct Burial 120**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| P10D2 | PVC Conduit Utility Duct 1″ DB120 | 0.060 | 1.331 | 1.325 | 1.310 | 240 | 2.165 | 7,200 |
| P20D2 | PVC Conduit Utility Duct 2″ DB120 | 0.077 | 2.375 | 2.387 | 2.369 | 240 | 3.150 | 2,800 |
| P30D2 | PVC Conduit Utility Duct 3″ DB120 | 0.118 | 3.5 | 3.516 | 3.492 | 240 | 3.740 | 1,760 |
| P40D2 | PVC Conduit Utility Duct 4″ DB120 | 0.154 | 4.5 | 4.518 | 4.491 | 240 | 3.937 | 1,140 |
| P50D2 | PVC Conduit Utility Duct 5″ DB120 | 0.191 | 5.563 | 5.583 | 5.553 | 240 | 4.331 | 760 |
| P60D2 | PVC Conduit Utility Duct 6″ DB120 | 0.227 | 6.625 | 6.647 | 6.614 | 240 | 5.000 | 560 |



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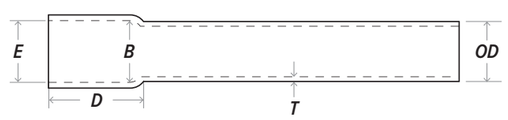
# Utility Duct EB (Encased Burial)

PVC Conduit Utility Duct is used to protect and manage underground cables. Utility ducts can be encased in the ground (encased burial). The utility ducts are designed to meet specific standards and requirements to ensure reliability and safety in various applications.

- Complies with NEMA TC 6 & 8.
- Built to withstand mechanical stress, making them reliable even in harsh underground conditions.
- 20’ lengths
- Manufactured with high modulus of elasticity.




**PVC Conduit Utility duct Encased Burial 35**

| Part No. | Item description | Min. wall inch (T) | Average inch (OD) | Avg. entrance inch (E) | Avg. bottom inch (B) | Length inch | Bell end inch (D) | Feet per bundle |
|---|---|---|---|---|---|---|---|---|
| P40E3 | PVC Conduit Utility Duct 4″ EB35 | 0.100 | 4.500 | 4.518 | 4.491 | 240 | 3.937 | 1,140 |
| P50E3 | PVC Conduit Utility Duct 5″ EB35 | 0.126 | 5.563 | 5.583 | 5.553 | 240 | 4.331 | 760 |
| P60E3 | PVC Conduit Utility Duct 6″ EB35 | 0.152 | 6.625 | 6.647 | 6.614 | 240 | 5.000 | 560 |

UL LISTED

**PVC Conduit Utility duct Encased Burial 20**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| P20E2 | PVC Conduit Utility Duct 2″ EB20 | 0.060 | 2.375 | 2.387 | 2.369 | 240 | 3.150 | 2,800 |
| P30E2 | PVC Conduit Utility Duct 3″ EB20 | 0.061 | 3.500 | 3.516 | 3.492 | 240 | 3.740 | 1,760 |
| P40E2 | PVC Conduit Utility Duct 4″ EB20 | 0.082 | 4.500 | 4.518 | 4.491 | 240 | 3.937 | 1,140 |
| P50E2 | PVC Conduit Utility Duct 5″ EB20 | 0.103 | 5.563 | 5.583 | 5.553 | 240 | 4.331 | 760 |
| P60E2 | PVC Conduit Utility Duct 6″ EB20 | 0.125 | 6.625 | 6.647 | 6.614 | 240 | 5.000 | 520 |

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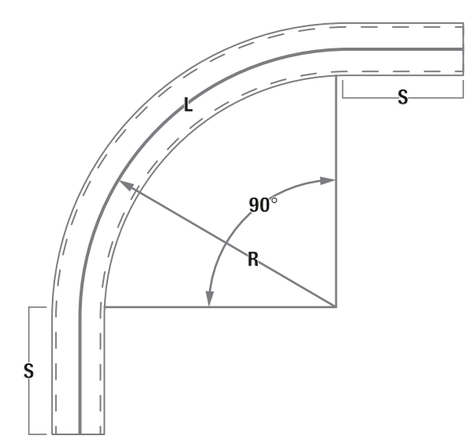
E-Z WELD® CONDUIT BY ALVA

# PVC Conduit Schedule 40 Plain End 90° Standard Radius Elbows

The Elbows change the direction of the conduit run, allowing wiring to navigate around obstacles and follow building layouts.

UL LISTED

- **Rated for use with 90-degree C wire.**
- Sunlight resistant rated. Complies to ANSI/UL 651 file number E528320 and NEMA TC2.
- Constructed from SCH.40 PVC for added strength and durability.
- Designed for both outdoor and indoor applications.
- Ideal for aboveground and underground installations.
- National Electrical Code (NEC 2014) Article 352.




**PVC Conduit SCH40 Plain End** - 90° Elbow I Standard Radius

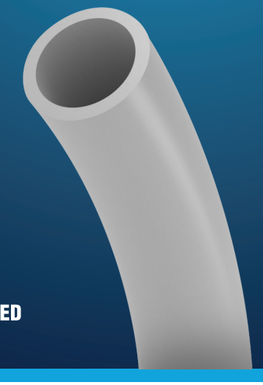
| Part No. | Size | R | S | L | Box qty |
|---|---|---|---|---|---|
| PE01U90 | 1/2" | 4.000 | 1.500 | 6.250 | 40 |
| PE02U90 | 3/4" | 4.500 | 1.500 | 7.125 | 40 |
| PE10U90 | 1" | 5.750 | 1.875 | 9.000 | 50 |
| PE11U90 | 1-1/4" | 7.250 | 2.000 | 11.375 | 25 |
| PE12U90 | 1-1/2" | 8.250 | 2.000 | 13.000 | 20 |
| PE20U90 | 2" | 9.500 | 2.000 | 15.000 | 15 |
| PE21U90 | 2-1/2" | 10.500 | 3.000 | 16.500 | 190 |
| PE30U90 | 3" | 13.000 | 3.125 | 20.375 | 110 |
| PE31U90 | 3-1/2" | 15.000 | 3.250 | 23.500 | - |
| PE40U90 | 4" | 16.000 | 3.375 | 25.125 | - |
| PE50U90 | 5" | 24.000 | 3.625 | 37.675 | - |
| PE60U90 | 6" | 30.000 | 3.750 | 47.125 | - |



E-Z WELD® CONDUIT BY ALVA

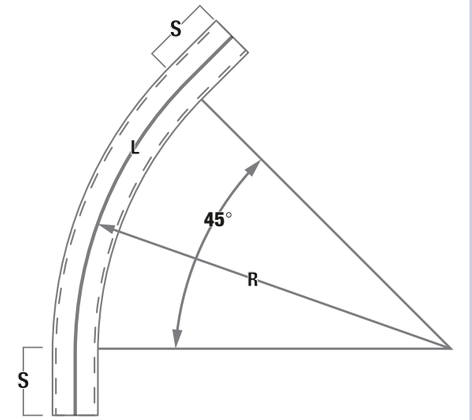
# PVC Conduit Schedule 40 Plain End 45° Standard Radius Elbows

The Elbows change the direction of the conduit run, allowing wiring to navigate around obstacles and follow building layouts.



UL LISTED

- **Rated for use with 90-degree C wire.**
- Sunlight resistant rated. Complies to ANSI/UL 651 file number E528320 and NEMA TC2.
- Constructed from SCH.40 PVC for added strength and durability.
- Designed for both outdoor and indoor applications.
- Ideal for aboveground and underground installations.
- National Electrical Code (NEC 2014) Article 352.




**PVC Conduit SCH40 Plain End** - 45° Elbow I Standard Radius

| Part No. | Size | R | S | L | Box qty |
|---|---|---|---|---|---|
| PE01U45 | 1/2" | 4.000 | 1.500 | 3.125 | 50 |
| PE02U45 | 3/4" | 4.500 | 1.500 | 3.500 | 50 |
| PE10U45 | 1" | 5.750 | 1.875 | 4.500 | 50 |
| PE11U45 | 1-1/4" | 7.250 | 2.000 | 5.688 | 35 |
| PE12U45 | 1-1/2" | 8.250 | 2.000 | 6.500 | 20 |
| PE20U45 | 2" | 9.500 | 2.000 | 7.500 | 15 |
| PE21U45 | 2-1/2" | 10.500 | 3.000 | 8.250 | 20 |
| PE30U45 | 3" | 13.000 | 3.125 | 10.188 | 25 |
| PE31U45 | 3-1/2" | 15.000 | 3.250 | 11.813 | - |
| PE40U45 | 4" | 16.000 | 3.375 | 12.563 | - |
| PE50U45 | 5" | 24.000 | 3.625 | 18.875 | - |
| PE60U45 | 6" | 30.000 | 3.750 | 23.563 | - |

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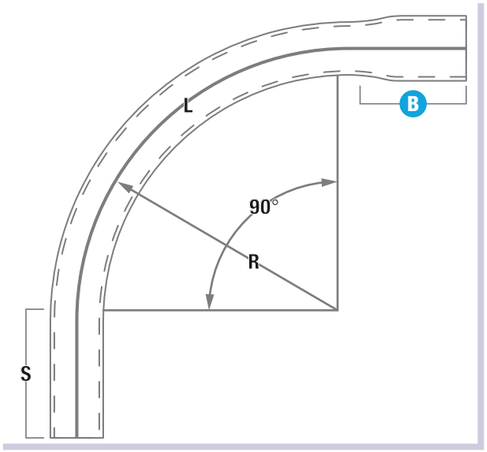
# PVC Conduit Schedule 40 Bell End 90° Standard Radius Elbows

The Elbows change the direction of the conduit run, allowing wiring to navigate around obstacles and follow building layouts.

UL LISTED

- **Rated for use with 90-degree C wire.**
- Sunlight resistant rated. Complies to ANSI/UL 651 file number E528320 and NEMA TC2
- Constructed from SCH.40 PVC for added strength and durability.
- Designed for both outdoor and indoor applications.
- Ideal for aboveground and underground installations.
- National Electrical Code (NEC 2014) Article 352.




**PVC Conduit SCH40 Bell End** - *90° Elbow I Standard Radius*

| Part No. | Size | R | S | B | L | Box qty |
|---|---|---|---|---|---|---|
| PE01U90BE | 1/2" | 4.000 | 1.500 | 1.000 | 6.250 | 40 |
| PE02U90BE | 3/4" | 4.500 | 1.500 | 1.500 | 7.125 | 40 |
| PE10U90BE | 1" | 5.750 | 1.875 | 1.500 | 9.000 | 40 |
| PE11U90BE | 1-1/4" | 7.250 | 2.000 | 1.500 | 11.375 | 20 |
| PE12U90BE | 1-1/2" | 8.250 | 2.000 | 2.000 | 13.000 | 20 |
| PE20U90BE | 2" | 9.500 | 2.000 | 2.000 | 15.000 | 15 |
| PE21U90BE | 2-1/2" | 10.500 | 3.000 | 2.250 | 16.500 | 190 |
| PE30U90BE | 3" | 13.000 | 3.125 | 2.500 | 20.375 | 110 |
| PE31U90BE | 3-1/2" | 15.000 | 3.250 | 3.250 | 23.500 | - |
| PE40U90BE | 4" | 16.000 | 3.375 | 3.250 | 25.125 | - |
| PE50U90BE | 5" | 24.000 | 3.625 | 4.250 | 37.675 | - |
| PE60U90BE | 6" | 30.000 | 3.750 | 5.000 | 47.125 | - |



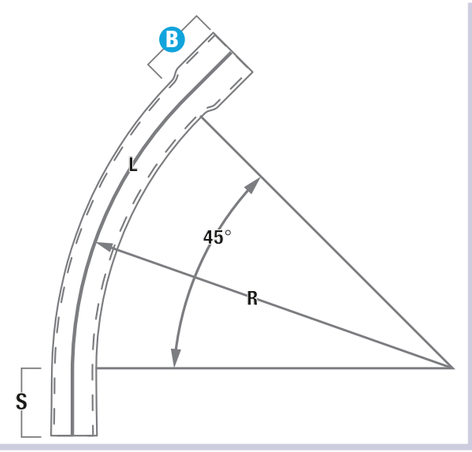
E-Z WELD® CONDUIT BY ALVA

# PVC Conduit Schedule 40 Bell End 45° Standard Radius Elbows

The Elbows change the direction of the conduit run, allowing wiring to navigate around obstacles and follow building layouts.

UL LISTED

- **Rated for use with 90-degree C wire.**
- Sunlight resistant rated. Complies to ANSI/UL 651 file number E528320 and NEMA TC2
- Constructed from SCH.40 PVC for added strength and durability.
- Designed for both outdoor and indoor applications.
- Ideal for aboveground and underground installations.
- National Electrical Code (NEC 2014) Article 352.




**PVC Conduit SCH40 Bell End** - *45° Elbow I Standard Radius*

| Part No. | Size | R | S | B | L | Box qty |
|---|---|---|---|---|---|---|
| PE01U45BE | 1/2" | 4.000 | 1.500 | 1.000 | 3.125 | 75 |
| PE02U45BE | 3/4" | 4.500 | 1.500 | 1.500 | 3.500 | 25 |
| PE10U45BE | 1" | 5.750 | 1.875 | 1.500 | 4.500 | 20 |
| PE11U45BE | 1-1/4" | 7.250 | 2.000 | 1.500 | 5.688 | 30 |
| PE12U45BE | 1-1/2" | 8.250 | 2.000 | 2.000 | 6.500 | 15 |
| PE20U45BE | 2" | 9.500 | 2.000 | 2.000 | 7.500 | 10 |
| PE21U45BE | 2-1/2" | 10.500 | 3.000 | 2.250 | 8.250 | 20 |
| PE30U45BE | 3" | 13.000 | 3.125 | 2.500 | 10.188 | 25 |
| PE31U45BE | 3-1/2" | 15.000 | 3.250 | 3.250 | 11.813 | - |
| PE40U45BE | 4" | 16.000 | 3.375 | 3.250 | 12.563 | - |
| PE50U45BE | 5" | 24.000 | 3.625 | 4.250 | 18.875 | - |
| PE60U45BE | 6" | 30.000 | 3.750 | 5.000 | 23.563 | - |

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## enviro 204 PVC / uPVC CEMENT MEDIUM BODY / CLEAR

- Clear, medium body, PVC / uPVC cement for use on pipe and fittings up to 6" (160 mm) diameter for schedule 40 and 4" (110 mm) for schedule 80
- To be used for plumbing, pressure/non-pressure applications, electrical conduit and PVC foam core
- Can be used without primer on non-pressure applications if local codes permit
- Meets ASTM D2564

| Industry Listing | Hydrostatic Burst | Lap Shear Strength | Size | Part No. |
|---|---|---|---|---|
| NSF PW-G-DWV-SW U.P. Code | Minimum 400 psi after 2 hour cure @ 73 °F (23 °C) | Minimum 250 psi after 2 hour cure @ 73 °F (23 °C) | 2 oz / 59 ml | 30406 |
| | | | 4 oz / 118 ml | 30401 |
| | | | 8 oz / 237 ml | 30402 |
| | | | 16 oz / 473 ml | 30403 |
| | | | 32 oz / 946 ml | 30404 |
| | | | 128 oz / 3.8 L | 30405 |

## enviro 206 PVC / uPVC CEMENT MEDIUM BODY / GRAY

- *Industrial Grade Line of Products*
- Gray, medium body, PVC / uPVC cement for use on pipe and fittings up to 6" (160 mm) diameter for schedule 40 and 4" (110 mm) for schedule 80
- Industrial strength formula for industrial, irrigation, DWV, electrical conduit, and PVC foam core pipe
- Can be used without primer on non-pressure systems if local codes permit
- Meets ASTM D2564

| Industry Listing | Hydrostatic Burst | Lap Shear Strength | Size | Part No. |
|---|---|---|---|---|
| NSF PW-G-DWV-SW U.P. Code | Minimum 400 psi after 2 hour cure @ 73 °F (23 °C) | Minimum 250 psi after 2 hour cure @ 73 °F (23 °C) | 4 oz / 118 ml | 30601 |
| | | | 8 oz / 237 ml | 30602 |
| | | | 16 oz / 473 ml | 30603 |
| | | | 32 oz / 946 ml | 30604 |
| | | | 128 oz / 3.8 L | 30605 |

## enviro 216 PVC / uPVC CEMENT HEAVY BODY / GRAY

- *Industrial Grade Line of Products*
- Gray, heavy body, PVC / uPVC cement for use on all classes and schedules of PVC pipe and fittings with interference fit up to 12" (315 mm) diameter
- Industrial strength cement formulated for gap filling, recommended for plumbing, industrial, irrigation and electrical conduit
- Meets ASTM D2564

| Industry Listing | Hydrostatic Burst | Lap Shear Strength | Size | Part No. |
|---|---|---|---|---|
| NSF PW-G-DWV-SW U.P. Code | Minimum 400 psi after 2 hour cure @ 73 °F (23 °C) | Minimum 250 psi after 2 hour cure @ 73 °F (23 °C) | 2 oz / 59 ml | 31606 |
| | | | 4 oz / 118 ml | 31601 |
| | | | 8 oz / 237 ml | 31602 |
| | | | 16 oz / 473 ml | 31603 |
| | | | 32 oz / 946 ml | 31604 |
| | | | 128 oz / 3.8 L | 31605 |

## enviro 211 CLEAR PRIMER

- Clear, fast acting primer for proper softening and preparation of all schedules and sizes of PVC and CPVC pipe and fitting surfaces
- Meets ASTM F656

***CAUTION:*** *Do not use on ABS or thin walled PVC pipes & fittings.*

| Industry Listing | Size | Part No. |
|---|---|---|
| NSF pw-G-dwv-sw | 4 oz / 118 ml | 31101 |
| | 8 oz / 237 ml | 31102 |
| | 16 oz / 473 ml | 31103 |
| | 32 oz / 946 ml | 31104 |
| | 128 oz / 3.8 L | 31105 |

## enviro 212 PURPLE PRIMER

- Purple, fast acting primer for proper softening and preparation of all schedules and sizes of PVC and CPVC pipe and fitting surfaces
- Meets ASTM F656

***CAUTION:*** *Do not use on ABS or thin walled PVC pipes & fittings.*

| Industry Listing | Size | Part No. |
|---|---|---|
| NSF pw-G-dwv-sw | 4 oz / 118 ml | 31201 |
| | 8 oz / 237 ml | 31202 |
| | 16 oz / 473 ml | 31203 |
| | 32 oz / 946 ml | 31204 |

## 651 PVC / uPVC CEMENT REGULAR BODY / CLEAR

- Clear, regular body PVC/uPVC cement for use on pipes up to 8" (200 mm) diameter for schedule 40
- To be used on electrical conduit applications only
- For superior joint, use with E-Z Weld primers
- Meets ASTM D2564, UL 651 and NEMA TC-2, TC-6, and TC-8

| Industry Listing | Hydrostatic Burst | Lap Shear Strength | Size | Part No. |
|---|---|---|---|---|
| | | | 4 oz / 118 ml | 65101 |
| | | | 8 oz / 237 ml | 65102 |
| | | | 16 oz / 473 ml | 65103 |
| | | | 32 oz / 946 ml | 65104 |
| | | | 128 oz / 3.8 L | 65105 |

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## 215 ALL TEMPERATURE CEMENT MEDIUM BODY / CLEAR

- Clear, medium body, PVC / uPVC cement for use on pipe and fittings up to 6" (160 mm) diameter for schedule 40 and 4" (110 mm) for schedule 80
- To be used for plumbing, irrigation, electrical conduit and PVC foam core
- No primer needed on non-pressure DWV applications, where local codes permit
- Temp: -15°F to 110°F (-26°C to 43°C)
- Meets ASTM D2564

| Industry Listing | Hydrostatic Burst | Lap Shear Strength | Size | Part No. |
|---|---|---|---|---|
| UPC NSF PW-DWV-SW | Minimum 400 psi after 2 hour cure @ 73 °F (23 °C) | Minimum 250 psi after 2 hour cure @ 73 °F (23 °C) | 16 oz / 473 ml | 21503 |
| | | | 32 oz / 946 ml | 21504 |
| | | | 128 oz / 3.8 L | 21505 |

## 201 ENT PVC / uPVC CEMENT MEDIUM BODY / BLUE

- Blue, medium body, PVC / uPVC cement for use on all PVC electrical conduit or any non-pressure PVC application with interference fit up to 6" (160 mm) diameter.
- Specially formulated for electrical non-metallic tubing commonly known as "SMURF" pipe.
- Can be used without primer if local codes permit

| Industry Listing | Hydrostatic Burst | Lap Shear Strength | Size | Part No. |
|---|---|---|---|---|
| UPC NSF PW-DWV-SW | Minimum 400 psi after 2 hour cure @ 73 °F (23 °C) | Minimum 250 psi after 2 hour cure @ 73 °F (23 °C) | 16 oz / 473 ml | 20103 |
| | | | 32 oz / 946 ml | 20104 |
| | | | 128 oz / 3.8 L | 20105 |

GREENGUARD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818

GOLD

## Cement applicators and accesories

### Plastic cap & brush

| | |
|---|---|
| Part No. | 11000 |
| Size | 1" |
| Pack | 50 pc/case |

### Dauber

| Part No. | 12006 | 12002 | 12003 | 12004 |
|---|---|---|---|---|
| Size | 2 oz | 4 oz/118 ml 8 oz/237 ml | 16 oz/473 ml | 32 oz/946 ml |
| Pack | 100 pc/case | 100 pc/case | 100 pc/case | 100 pc/case |

### Telescoping dauber (Small ball)

| | |
|---|---|
| Part No. | 13001 |
| Size | 4 oz/118 ml (11401) 8 oz/237 ml (11501) |
| Pack | 50 pc/case |

### Telescoping dauber (Large ball)

| | |
|---|---|
| Part No. | 13002 |
| Size | 16 oz/473 ml (11103) 32 oz/946 ml (110204) |
| Pack | 50 pc/case |

### 8" Swab

| | |
|---|---|
| Part No. | 13005 |
| Size | 128 oz/3.8 L |
| Pack | 12 pc/case |

### Telescoping dauber (Large ball)

| | |
|---|---|
| Part No. | 13005W |
| Size | 2-7/8" 128 oz/3.8 L |
| Pack | 12 pc/case |

## *Average Number of Joints per Quart Can**

| Pipe Nominal Size | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ASTM | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 18 |
| | ISO (DIN) | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 160 | 200 | 250 | 315 | 350 | 450 |
| Number of Joints | | 300 | 200 | 125 | 105 | 90 | 60 | 50 | 40 | 30 | 10 | 6 | 2-3 | 1-2 | 3/4 | 1/2 |

*This chart should be used as a general reference only as these figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly.

## *Pipe Size Equivalent Chart*

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASTM | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 18 |
| ISO (DIN) | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 | 160 | 200 | 250 | 315 | 350 | 450 |

## *Average Handling / Set-up Times***

| Handling / Set-up time is the time required prior to handling the joint carefully. In damp or humid weather, allow 50% additional cure time. | | | | | | |
|---|---|---|---|---|---|---|
| Temperature While Joining | Pipe Diameter 1/2" to 1 1/4" 15 mm to 32 mm | Pipe Diameter 1 1/2" to 2" 40 mm to 50 mm | Pipe Diameter 2 1/2" to 5" 65 mm to 125 mm | Pipe Diameter 6" to 8" 150 mm to 200 mm | Pipe Diameter 10" to 16" 250 mm to 375 mm | Pipe Diameter 16"+ 400 mm |
| 16 °C - 38 °C ( 60 °F - 100 °F ) | 2 minutes | 5 minutes | 25 minutes | 30 minutes | 2 hours | 4 hours |
| 5 °C - 16 °C ( 40 °F - 60 °F ) | 5 minutes | 10 minutes | 50 minutes | 2 hours | 8 hours | 16 hours |
| -18 °C - 5 °C ( 0 °F - 40 °F ) | 10 minutes | 15 minutes | 4 hours | 10 hours | 24 hours | 48 hours |

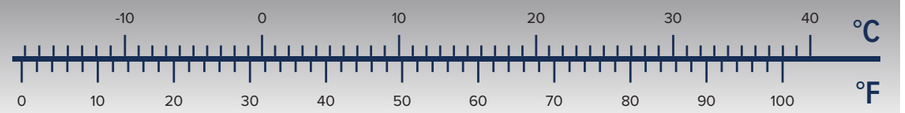
**This chart should be used as a general reference only as these figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly.

## *Average Joint Cure Times****

| Joint Cure Time is the time required before pressure testing the system. In damp or humid weather, allow 50% additional cure time. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Relative Humidity 60% or Less | Pipe Diameter 1/2" to 1 1/4" 15 mm to 32 mm | | Pipe Diameter 1 1/2" to 2" 40 mm to 50 mm | | Pipe Diameter 2 1/2" to 8" 65 mm to 200 mm | | Pipe Diameter 10" to 15" 250 mm to 375 mm | Pipe Diameter 16"+ 400 mm |
| Temperature While Joining and Curing | up to 145 psi / 10 bar | 145 to 363 psi / 10 to 25 bar | up to 145 psi / 10 bar | 145 to 363 psi / 10 to 25 bar | up to 145 psi / 10 bar | 145 to 363 psi / 10 to 25 bar | up to 100 psi / 7 bar | up to 100 psi / 7 bar |
| 16 °C - 38 °C ( 60 °F - 100 °F ) | 15 min | 6 hrs | 30 min | 12 hrs | 1½ hrs | 24 hrs | 48 hrs | 72 hrs |
| 5 °C - 16 °C ( 40 °F - 60 °F ) | 20 min | 12 hrs | 45 min | 24 hrs | 4 hrs | 48 hrs | 96 hrs | 6 days |
| -18 °C - 5 °C ( 0 °F - 40 °F ) | 30 min | 48 hrs | 1 hour | 96 hrs | 72 hrs | 8 days | 8 days | 14 days |

***This chart should be used as a general reference only as these figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly.

## *Fahrenheit to Celsius Conversion Chart*




# E-Z WELD® CONDUIT BY ALVA

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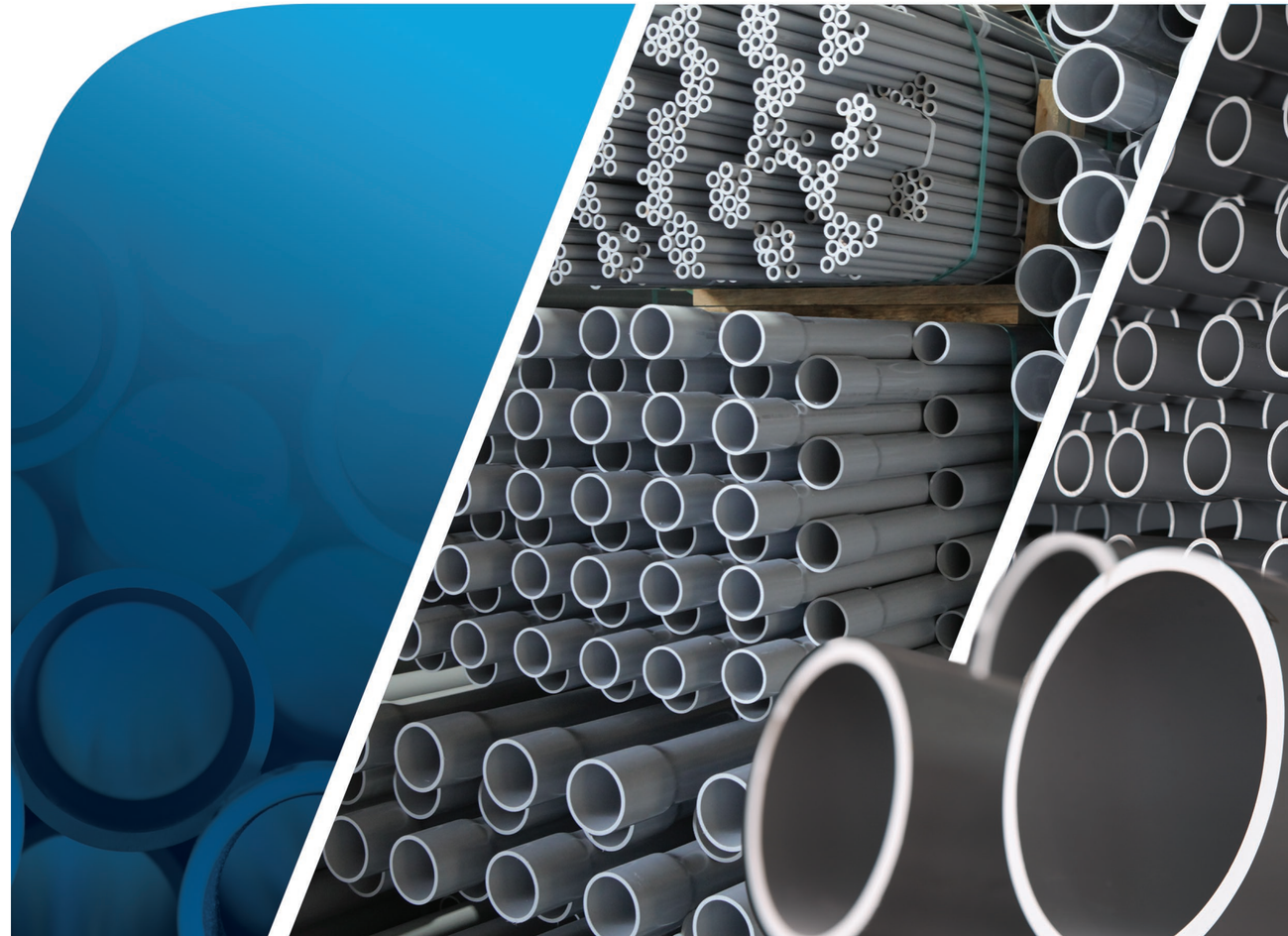
**Comprehensive Solutions**

**Certified Quality**



## Additional notes

## Additional notes

# E-Z WELD® CONDUIT

BY ALVA Manufacturing

www.alva-mfg.com sales@alvapvc.com @alvapvc

1969 W 9th St, Riviera Beach, Florida 33404 +1-561-421-1868