



CATEGORY
**ELECTRICAL
 CONDUIT & WIRES**

AMMO ITEM #

PVC-20-80

Company: _____
 Job: _____ #Item: _____
 Notes: _____

PVC Conduit Schedule 80



QUALITY CONTROL DEPARTMENT

- Manufactured with rigid Polyvinyl Chloride (PVC-U) compound according to the specifications of the UL 651 and ASTM D 1784 STANDARD
- No odor or taste, and physical and chemical properties will be equal to or better than those specified in UL 651

| COMPOUND CHARACTERISTICS | TESTING METHOD |
|-----------------------------------|----------------|
| Base Resin: PVC (Homopolymer) | - |
| Impact resistance (Izod) | ASTM D256 (A) |
| Tensile strength of the material | ASTM D638 |
| Modulus of Elasticity in Tension | ASTM D638 |
| Deflection Temperature Under Load | ASTM D648 |
| Flammability: Self-extinguishing | ASTM 635-91 |
| Color: Light Gray | - |

STANDARD: UL LISTED SUNLIGHT RESISTANT ABOVE AND BELOW GROUND USE

TEMPERATURE RANGE

- Designed for use with wires rated 75° C or less
- Even if encapsulated in concrete, the ambient temperature is 50°C or less
- Use with wires rated 90°C or less in concrete in trenches outside buildings

QUALITY REQUIREMENTS BASED ON UI 651 STANDARD

- **Impact Resistance Test**
Resistance according to its diameter and type
- **Extrusion Quality Test**
Not show visible delamination after 30 minutes of immersion in Anhydrous Acetone, the level and homogeneity of gelation is observed
- **Transverse Crushing Resistance Test**
Compressed up to 40% of the external diameter
- **Crushing Resistance Test**
Compressed until reaching the indicated load and in the indicated compression percentage without suffering breaks or failures
- **Water Absorption Test**
Not show mass variation after immersion in water as indicated.
- **Low temperature handling test**
Conduit must remain free of break, cracks, or other failure when subjected to a free fall to the ground after being tempered at -20 C for 4 hours
- **Tensile strength test**
Resistance equal to or greater in oven-conditioned test tubes than those presented in unconditioned test tubes
- **Test of permanence of the printing**
The labeling of the tubes withstands continuous rubbing after being tempered in hot cold water and hot oil

ELECTRICAL CONDUIT AND WIRES



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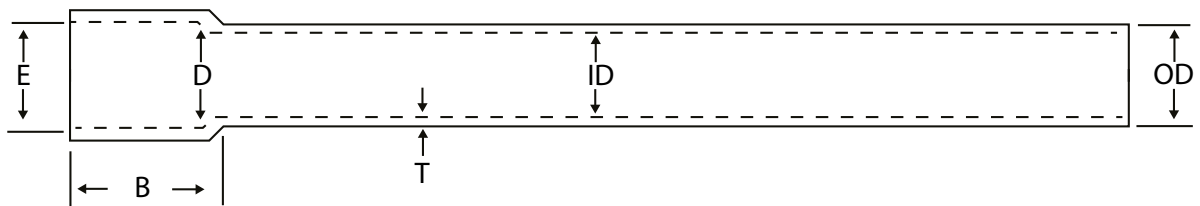
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PVC Conduit Schedule 80



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

- Designed for underground and above ground usage
- Rated for use with 90° C conductors
- Sunlight resistant
- Rigid nonmetallic raceway for wires and cables
- Meets the requirements of ANSI/NEMA TC2
- Plain end connections are solvent weld
- 20' Lengths (on request)



PVC Conduit Sch.80 (10ft)

| AMMO# | SIZE | MINIMUM WALL (T) | AVERAGE OD | AVERAGE ID | AVERAGE ENTRANCE E | AVERAGE BOTTON D | LENGHT FEET | BELL END B | WEIGHT (g) | PKG FT | UPC |
|--------------|--------|------------------|------------|------------|--------------------|------------------|-------------|------------|------------|--------|--------------|
| 1/2-20-PVC | 1/2" | 0.147 | 0.840 | 0.502 | 0.852 | 0.836 | 10 | 1.77 | 1940 | 6,000 | 837654102565 |
| 3/4-20-PVC | 3/4" | 0.154 | 1.050 | 0.698 | 1.064 | 1.046 | 10 | 2.16 | 2620 | 4,400 | 837654102572 |
| 1-20-PVC | 1" | 0.179 | 1.315 | 0.910 | 1.330 | 1.310 | 10 | 2.56 | 3870 | 3,600 | 837654102589 |
| 1-1/4-20-PVC | 1-1/4" | 0.191 | 1.660 | 1.227 | 1.677 | 1.655 | 10 | 3.15 | 5350 | 3,300 | 837654102596 |
| 1-1/2-20-PVC | 1-1/2" | 0.2 | 1.900 | 1.446 | 1.918 | 1.894 | 10 | 3.15 | 6750 | 2,250 | 837654102602 |
| 2-20-PVC | 2" | 0.218 | 2.375 | 1.881 | 2.393 | 2.369 | 10 | 3.15 | 9450 | 1,400 | 837654102619 |
| 2-1/2-20-PVC | 2-1/2" | 0.276 | 2.875 | 2.250 | 2.890 | 2.869 | 10 | 3.15 | 13610 | 930 | 837654102626 |
| 3-20-PVC | 3" | 0.3 | 3.500 | 2.820 | 3.515 | 3.492 | 10 | 3.94 | 18210 | 880 | 837654102633 |
| 3-1/2-20-PVC | 3-1/2" | 0.318 | 4.000 | 3.280 | 4.015 | 3.992 | 10 | 3.94 | 22550 | 630 | 837654102640 |
| 4-20-PVC | 4" | 0.337 | 4.500 | 3.737 | 4.515 | 4.491 | 10 | 3.94 | 26850 | 570 | 837654102657 |
| 5-20-PVC | 5" | 0.375 | 5.563 | 4.713 | 5.593 | 5.553 | 10 | 3.94 | 37750 | 380 | 837654102664 |
| 6-20-PVC | 6" | 0.432 | 6.625 | 5.646 | 6.658 | 6.614 | 10 | 5.90 | 50650 | 260 | 837654102671 |

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