

# Rigid PVC Conduit & Fittings

- Commercial, Industrial and Utility Usage
- Corrosion Resistant
- Non-Magnetic and non-galvanic
- Self Extinguishing
- Impact Resistant

## FEATURES & SPECIFICATIONS

Allied Tube & Conduit offers a complete line of rigid PVC conduit and fittings and PVC utility duct. For commercial, industrial and utility usage, Allied PVC conduit and duct is proven durable and effective for years of maintenance-free performance in underground, encased and exposed applications in accordance with the National Electrical Code.

### Corrosion Proof:

Resistant to most chemicals, PVC is typically not affected by corrosive soils or salts.

### Non-Magnetic and Non-Galvanic:

Properties of Allied PVC Conduit provide good insulation and no power loss or conductor heating.

### Self Extinguishing:

Properties make PVC fire resistant.

### Impact Resistant:

Tough, durable, with high tensile strength, yet easy to handle and install right on the jobsite.

**Schedule 40 & 80** rigid PVC conduit systems are sunlight resistant and are used exposed, encased in concrete, concealed in walls and in direct burial applications including systems for:

- Utilities
- Cable, data and communication lines
- Institutional, commercial, industrial buildings
- Residential applications, & service entrances
- Street and highway underground feeds
- Transportation systems - subways, bridges, tunnels, airports
- Water and wastewater treatment plants
- Marinas
- Mines and mills

**Type DB-60 and DB-120** utility duct are designed for direct burial applications. **Type EB-20 and EB-35** are designed for burial encased in concrete.

## Project Information

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State & Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Project Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

## Codes And Standards Compliance

Allied Schedule 40 and Schedule 80 rigid conduits are listed to UL 651 and are allowed for use with 90° C conductors, in accordance with the National Electrical Code. They are manufactured in accordance with NEMA TC2.

Allied Type DB and EB ducts are manufactured in accordance with NEMA TC 6&8 and are allowed for use with 90° C conductors.



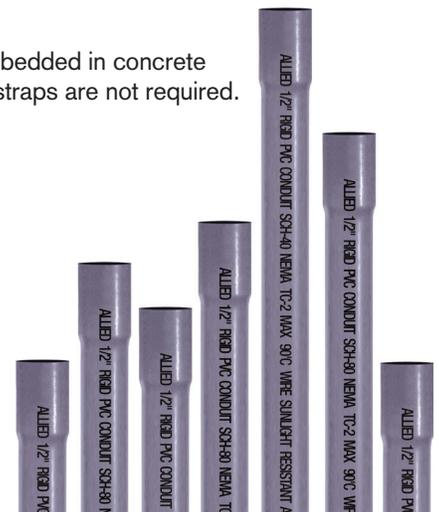
Allied PVC fittings are manufactured in accordance with NEMA TC3. The UL standard for PVC fittings is UL 651; for boxes UL 514C, for cover plates UL 514D and for enclosures UL 50. See product pages for UL listing information.

## Specification

All wiring shall be installed in Allied Tube & Conduit rigid PVC conduit and secured by means of proper fittings. All fittings shall be offered by Allied Tube & Conduit. All outlets, pull boxes and junction points shall be fitted with Allied outlet boxes, fittings and junction boxes.

Exposed conduit shall be securely attached and supported by means of straps. The straps shall be installed at the recommended spacing as specified in the National Electrical Code (NEC). The straps must allow for linear expansion and contraction of the conduit due to temperature change. If the variance in temperature exceeds 25°F, expansion joints shall be installed according to the manufacturer's recommendations.

If rigid PVC conduit is embedded in concrete or direct buried, support straps are not required.



**PVC Conduit & Fittings are not available in all markets.**

Please contact your Allied representative or distributor for details.

NOTE: Special orders are non-cancelable, non-returnable and non-refundable.

# Rigid PVC Conduit - Schedule 40

## Schedule-40 PVC Rigid Conduit Rated for 90° C Wiring



ALLIED 1/2" RIGID PVC CONDUIT SCH-40 NEMA TC-2 MAX. 90°C WIRE SUNLIGHT RESISTANT ALL

Allied Schedule-40 is sunlight resistant. Meets or exceeds the requirements of NEMA TC-2 and UL-651 for Schedule 40 Conduit.

### Schedule 40 PVC Conduit Weight and Dimensions (10' lengths with belled ends)

Trade Size	Metric Designator	Average Outside Dia (in)	Minimum Average I.D. (in)	Min. Wall Thickness (in)	Weight Per Foot	Feet Per Pallet	Nominal Bell (Socket) Depth/Inches
1/2	16	.840 ±0.004	.578	.109	.164	6000	1.8
3/4	21	1.050 ±0.004	.780	.113	.218	4400	1.8
1	27	1.315 ±0.005	1.004	.133	.321	3600	2
1-1/4	35	1.660 ±0.005	1.335	.140	.434	3300	2.5
1-1/2	41	1.900 ±0.006	1.564	.145	.518	2250	2.5
2	53	2.375 ±0.006	2.021	.154	.695	1400	4.5
2-1/2	63	2.875 ±0.007	2.414	.203	1.096	930	4.5
3	78	3.500 ±0.008	3.008	.216	1.435	880	4.5
3-1/2	91	4.000 ±0.008	3.486	.226	1.729	630	4.5
4	103	4.500 ±0.009	3.961	.237	2.043	570	5
5	129	5.563 ±0.010	4.975	.258	2.776	380	6
6	155	6.625 ±0.011	5.986	.280	3.600	260	6

#### SPECIAL INFORMATION

1. 20' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.

**New Trade Size 8 Coming  
in Summer of 2012**

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