



PVC Schedule 80 Conduit

Cellular Core

UL 651 – NEMA TC2

SUBMITTAL SPECIFICATION SHEET

1.0 PRODUCT NAME

PVC schedule 80 conduit designed for underground, encasement or exposed applications in accordance with UL-651 and NEMA TC2.

2.1 PRODUCT DESCRIPTION

A conduit designed for power and communications systems in underground, encased in concrete or direct burial. PVC conduit is also for use in exposed or concealed applications above ground. Conduit and fittings are available in sizes from 1 ¼” through 6”.

2.2 COMPOSITION AND MATERIALS

The conduit shall be made from virgin PVC compound (recognized by UL) as described for Rigid Poly (Vinyl Chloride) PVC in standard specification ASTM D1784. The compound can include inert modifiers to improve weatherability and heat distortion. Clean reworked material, generated by the manufacturer’s own conduit production, may be used by the same manufacturer, provided the end products meet the requirements of UL-651 and NEMA TC2.

3.1 PRODUCT REQUIREMENTS

Conduit shall be Cortek by Rocky Mountain Colby, UL listed or approved equal and shall comply with NEMA TC2 and UL 651.

3.2 Conduit shall provide a smooth raceway for the pulling in of wires and cables. They shall be free of any features that can abrade or otherwise damage wires and cables. The outside surface shall be smooth without chips, blisters, or other defects.

3.3 Superior wreathing and sunlight resistance.

3.4 Listed for 90° C conductors or cable.

3.5 Conduit lengths available in 10’ or 20’ lengths.

3.6 PVC solvent cements and primers shall be applied in accordance with the cement manufacturer’s recommendations.

4.1 TECHNICAL DATA

4.2 Conduit will meet or exceed the requirements of NEMA TC2 and UL-651 specifications.

5.0 QUALITY CONTROL

5.1 Conduit is listed and inspected by Underwriters Laboratories to UL-651.

USA Sizes and Packaging

PVC SCHEDULE 80 CELLULAR CORE CONDUIT UL-651 & NEMA TC2

Listed with Underwriters Laboratories

Part Number	Size	Length	OD	ID	Min Wall	Standard Bell Depth	Weight Per 100 ft.	Lift Size
508005010U 508005020U	1/2"	20' 10'	0.840	0.502	0.147	1.5"	22	12000' 6000'
508007510U 508007520U	3/4"	20' 10'	1.050	0.698	0.154	2"	30	8800' 4400'
508010010U 508010020U	1"	20' 10'	1.315	0.910	0.179	2"	44	7200' 3600'
508012520U 508012510U	1 1/4"	20' 10'	1.660	1.227	0.191	2"	52	6600' 3300'
508015020U 508015010U	1 1/2"	20' 10'	1.905	1.446	0.200	3"	61	4500' 2250'
508020020U 508020010U	2"	20' 10'	2.380	1.881	0.218	3.5"	89	2800' 1400'
508025020U 508025010U	2 1/2"	20' 10'	2.880	2.250	0.276	3.5"	146	1860' 930'
508030020U 508030010U	3"	20' 10'	3.505	2.820	0.300	3.5"	186	1760' 880'
508035020U 508035010U	3 1/2"	20' 10'	4.005	3.280	0.318	3.5"	206	1260' 630'
508040020U 508040010U	4"	20' 10'	4.505	3.737	0.337	4"	226	1140' 570'
508050020U 508050010U	5"	20' 10'	5.563	4.713	0.375	5"	290	760' 380'
508060020U 508060010U	6"	20' 10'	6.630	5.646	0.432	6" to 6.5"	401	520' 260'