

Galvanized Rigid Conduit (GRC)

Features & Specifications

Full Electrical System Protection

Calconduit GRC conduit is manufactured from mild steel and is highly resistant to damage from impact yet ductile to facilitate bending.

Color-coded end cap thread protectors keep the threads clean and sharp, and also provide instant trade size recognition. Even sizes are color-coded blue, and ½" sizes are black, and ¼" sizes are red.

Coatings

Conduit: Hot-dip galvanized inside and out providing galvanic corrosion protection. In addition, top coated with a compatible organic layer to protect against white rust. The inside surface is evenly coated for wire-pulling ease, even through multiple 90° bends.

Coupling: Electro-galvanized inside and out to provide galvanic corrosion protection

EMI Shielding

Calconduit GRC Conduit is effective in reducing the effects of electromagnetic field levels for encased power distribution circuits, shielding computers and other sensitive electronic equipment from the effects of electromagnetic interference.

Codes & Standards Compliance

Calconduit GRC Conduit is precision manufactured for dependable, long-lasting value and ultimate protection for electrical conductors. Covered by Article 344 of the National Electrical Code® (NEC®), GRC conduit is highly resistant to damage from impact. GRC conduit is recognized as an equipment grounding conductor in Section 250.118 of the NEC®. GRC is listed to UL Safety Standards 6.

GRC is manufactured to ANSI C80.1, which has been adopted as Federal Specifications in lieu of WW-C-581. Installation of Rigid Metal Conduit shall be in accordance with the National Electrical Code® (NEC®) and UL General Information card #DYIX. Master bundles conform to NEMA standard RN 2.

Galvanized Rigid Conduit (GRC) Weights and Dimensions

Listed to Safety Standard UL 6

Manufactured in accordance with ANSI C80.1

Trade Size	Metric Designator	Average Outside Diameter ¹		Nominal Wall Thickness ²		Approximate Weight Per 100ft (30.5m)		Master Bundle Quantity*	
		in	mm	in	mm	lb	kg	ft	m
½	16	0.840	21.34	0.104	2.64	82	37.2	2500	762.5
¾	21	1.050	26.67	0.107	2.72	109	49.4	2000	610.0
1	27	1.315	33.40	0.126	3.20	161	73.0	1250	381.3
1 ¼	35	1.660	42.16	0.133	3.38	218	98.9	900	274.5
1 ½	41	1.900	48.26	0.138	3.51	263	119.3	800	244.0
2	53	2.375	60.33	0.146	3.71	350	158.8	600	183.0
2 ½	63	2.875	73.03	0.193	4.90	559	253.6	370	112.9
3	78	3.500	88.90	0.205	5.21	727	329.8	300	91.5
3 ½	91	4.000	101.60	0.215	5.46	880	399.2	250	76.3
4	103	4.500	114.30	0.225	5.72	1030	467.2	200	61.0
5	129	5.563	141.30	0.245	6.22	1400	634.5	150	45.8
6	155	6.625	168.28	0.266	6.76	1840	833.9	100	30.5

¹Tolerances: Trade Size 1/2" to 1 1/2": ±0.015" (0.38mm); Trade Size 2"-6": ±1% Length equals 10 (ft) (3.05m) with a tolerance of +/- .25 (in) (6.35mm)

² For information only. Not a requirement of the UL standard.

* NEMA RN 2 Standard



Specification Data

To specify GRC Conduit, include the following: GRC Conduit shall be hot-dip galvanized and manufactured by Calconduit. Threads shall be hot galvanized after cutting. GRC conduit shall be Listed to Safety Standard UL 6 by a nationally recognized testing laboratory with follow-up service. It shall be manufactured in accordance with ANSI C80.1

GRC conduit shall be listed to UL 6 and manufactured in accordance with ANSI C80.1.

Note: Federal Specification WW-C-581, Class 1, Type A has been superseded by UL Standard 6, which has been adopted by the Federal Government.