

PRODUCT INTRODUCTION

Electroline' s Hot Dip Galvanized Electrical Rigid Conduit (UL6) has excellent protection, strength, safety and ductility for your wiring works.

Electroline Rigid Pipe is manufactured with high-strength steel, and produced by the electric resistance welding process.

Electroline Rigid Pipe is zinc coated both inside and outside with hot dip galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided.

The surface of Electroline Rigid Pipe adopts the clear post-galvanizing coating to provide further protection against corrosion. The interior surface provides a smooth continuous raceway for easy wire pulling. The ductility characteristics of our conduits help for easy bending, cutting, and threading in the field.

Electroline Rigid Pipe is produced in normal trade sizes from 1/2" to 6" in standard lengths of 10 feet (3.05 m), including the coupling and color coded plastic thread protector caps for quick identification of the conduit size. The rigid conduit is threaded on both ends, with a coupling applied to one end and a by size color coded thread protector to the other end as per table.



FEATURES AND BENEFITS

Consistent Quality – We manufacture for long life; it is durable, strong, and suitable for the harshest environmental conditions. The steel is welded to ensure quality standards are met strictly. The inside surface of the pipe is obstruction-free and extra smooth, making wire pulling and pushing easy and reducing friction between wall and wire. The product is easy to cut, form and join.

Excellent ID smoothness - We manufacture the pipes with removing ID flash during pipe making and smoothing out ID from zinc dross after galvanizing to provide excellent smoothness and more wire capacity together with no hassle in stripping wire.

Lower Life-cycle costs – Electroline resists cracking, flaking, peeling, impact, and damage from severe bending. Its physical and mechanical properties ensure that the pipe has an extended life cycle and helps for usage or storage without trouble in quality.

Protection from Environmental Damage and Mechanical Use – the thorough inside and outside zinc coating of Electroline provides enhanced, second to none corrosion protection.

SPECIFICATIONS

Electroline Rigid pipe is manufactured in accordance with the latest edition of the following:

- American National Standards Institute (ANSI®)
- American National Standard for Rigid Steel Tubing (ANSI® C80.1)
- Underwriters Laboratories Standard for Rigid Steel Tubing (UL6)
- National Electric Code® 2002 Article 344 (1999 NEC Article 346)

Additional information on the titles and designations of standards or requirements that have been used for the investigation of products in a specific category can be found in the Underwriters Laboratories Inc.®, General Information for Electrical Equipment directory. The UL product category for Rigid Ferrous Metal Conduit is DYIX.



DIMENSION AND WEIGHT CHART (RIGID)

Trade Size		Nominal Wt. per 100Ft(30.5M)		Nominal Outside Diameter		Nominal Wall Thickness	
U.S.	Metric	Lbs	Kg	In.	mm	In.	mm
1/2"	16	82	37.2	0.840	21.3	0.104	2.60
3/4"	21	109	49.4	1.050	26.7	0.107	2.70
1"	27	161	73.0	1.315	33.4	0.126	3.20
1-1/4"	35	218	98.9	1.660	42.2	0.133	3.40
1-1/2"	41	263	119	1.900	48.3	0.138	3.50
2"	53	350	159	2.375	60.3	0.146	3.70
2-1/2"	63	559	254	2.875	73.0	0.193	4.90
3"	78	727	330	3.500	88.9	0.205	5.20
3-1/2"	91	880	399	4.000	101.6	0.215	5.50
4"	103	1030	467	4.500	114.3	0.225	5.70
5"	129	1400	635	5.563	141.3	0.245	6.20
6"	155	1840	835	6.625	168.3	0.266	6.80

PACKING SCHEDULE (RIGID)

Trade Size		Protector Color	Quantity in Sub Bundle		Quantity per Master Bundle				Weight/Lift	
U.S.	Metric		Feet	Meters	PCS	BD's	Feet	Meters	Lbs	Kg
1/2"	16	Black	100	30.5	250	25	2500	762	2050	930
3/4"	21	Red	50	15.2	200	40	2000	610	2178	988
1"	27	Blue	50	15.2	125	25	1250	381	2013	913
1-1/4"	35	Red	-	-	90	-	900	274	1962	890
1-1/2"	41	Black	-	-	80	-	800	244	2099	952
2"	53	Blue	-	-	60	-	600	183	2103	954
2-1/2"	63	Black	-	-	37	-	370	113	2072	940
3"	78	Blue	-	-	30	-	300	91	2183	990
3-1/2"	91	Black	-	-	25	-	250	76	2200	998
4"	103	Blue	-	-	20	-	200	61	2059	934
5"	129	Blue	-	-	15	-	150	46	2101	953
6"	155	Blue	-	-	10	-	100	30	1841	835



APPLICABLE TOLERANCES

•Length: 10Ft(3.05m) ± ¼" (±6.35mm).

•Outside Diameter:

½"-2"±0.015"(±0.38mm);

2½"-4"±0.025"(±0.64mm);5"-6"± 1%



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