

INTERMEDIATE METAL CONDUIT (IMC)

PRODUCT INTRODUCTION

IMC is a thin-wall alternative to rigid steel conduit (RSC) that weighs about one-third less. It features a galvanized OD and corrosion-resistant ID coating. Electroline® IMC is precision manufactured for economical protection and long lasting value for the electrical raceway system. Manufactured from premium, work hardened steel combining electrical and mechanical performance with ductility. Electroline® IMC is resistant to impact and is easy to cut, bend and join for smooth, continuous raceways. IMC is available in trade sizes ½" through 4", and 10' lengths. Threads on the uncoupled end are covered by industry color-coded thread protectors to protect the threads, keep them clean and sharp, and aid in trade size recognition.



IMC is interchangeable with galvanized RSC. Both have threads with a ¾ -inch-per-foot taper, use the same couplings and fittings, have the same support requirements and are permitted to be used in the same locations.

Intermediate Metal Conduit, covered by Article 342 in the National Electrical Code® (NEC®), is recognized as an equipment grounding conductor in Article 250 of the NEC and also provides excellent shielding from electromagnetic fields.

FEATURES AND BENEFITS OF ELECTROLINE® IMC

- Light-weight ductile steel conduit for long life and easy bending
- Weighs 1/3 less than Rigid conduit
- Saves up to 30% in cost over GRC
- Hot galvanized layer to increase corrosion resistance and protect against white rust
- Interior coating creates a smooth, continuous raceway for fast wire-pulling
- Interchangeable with RSC
- Uses the same fittings with RSC.



Catalog Number	Trade Size		Nominal Wt. per 100 ft. (30.5M)		Nominal Outside Diameter ¹		Nominal Wall Thickness ²	
	U.S.	Metric	Lbs.	Kg.	Inch	mm.	Inch	mm.
E-IMC 050	½"	16	62	28.1	0.815	20.70	0.070	1.79
E-IMC 075	¾"	21	84	38.1	1.029	26.13	0.075	1.90
E-IMC 100	1"	27	119	54.0	1.290	32.76	0.085	2.16
E-IMC 125	1-¼"	35	158	71.7	1.638	41.60	0.085	2.16
E-IMC 150	1-½"	41	194	88.0	1.883	47.82	0.090	2.29
E-IMC 200	2"	53	256	116.1	2.360	59.94	0.095	2.41
E-IMC 250	2-½"	63	441	200.0	2.857	72.56	0.140	3.56
E-IMC 300	3"	78	543	246.3	3.476	88.29	0.140	3.56
E-IMC 350	3-½"	91	629	285.3	3.971	100.86	0.140	3.56
E-IMC 400	4"	103	700	317.5	4.466	113.43	0.140	3.56

1-Outside diameter tolerances:

+/- .005 in. (.13mm) for trade sizes ½" (16mm) through 1" (25mm)

+/- .0075 in. (.19mm) for trade sizes 1-¼" (36mm) through 2" (53mm)

+/- 0.10 in. (.25mm) for trade sizes 2-½" (63mm) through 4" (103mm)

2-Wall thickness tolerances:

+ 0.15 in. (.38mm) and - .000 for trade sizes ½" (13mm) through 2" (53mm)

+ 0.20 in. (.51mm) and - .000 for trade sizes 2-½" (63mm) through 4" (103mm)

NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6.35mm)