

Allied **IMC**

Intermediate Metal Conduit

Long Lasting Steel



Allied IMC is precision manufactured for economical protection and long lasting value for the electrical raceway system. Allied IMC is lighter in weight, but as strong as Rigid.

Kwik-Couple® IMC



Allied's patented* Kwik-Couple IMC cuts threaded conduit installation time and cost significantly. Kwik-Couple comes installed right on the conduit or elbows, right where you need it. Just line up the ends, spin the coupling forward onto the next piece and wrench tighten. It's that easy!

*U.S. Patent Numbers 4258936,4547004.

 **allied**
TUBE & CONDUIT

Allied IMC Specifications

QUALITY ENGINEERED FOR FULL ELECTRICAL SYSTEM PROTECTION

Allied IMC is lighter in weight but as strong as RIGID, and is recognized for use in the same applications, including all hazardous locations. Allied IMC is manufactured from premium, work hardened steel combining electrical and mechanical performance with ductility. Allied IMC is resistant to impact and is easy to cut, bend and join for smooth, continuous raceways and fast wire-pulling.

Allied IMC is hot galvanized using Allied's patented in-line Flo-Coat® process. This process combines zinc, a conversion coating, and a clear organic polymer top-coat to form a triple layer of protection against corrosion and abrasion.

The interior of Allied IMC is coated with a highly corrosion-resistant lubricating finish for easier wire-pulling. No need to worry about damage to the conduit system even when pulling through multiple 90° bends.

THE ALLIED IMC ADVANTAGE

Allied IMC has a larger internal diameter than RIGID conduit to allow for easier fishing and wire-pulling. Allied IMC is also more "rigid" than RIGID to provide superior wiring protection in many applications. The National Electrical Code recognizes Allied IMC for the same uses as RIGID, including all hazardous (classified) applications.

Allied IMC uses the same threaded couplings and fittings as RIGID conduit, and the 3/4" NPT threads (ANSI B1.20.1) are also full cut and galvanized after cutting.

Color-coded end-cap thread protectors keep the threads clean and sharp, and also help to provide instant trade size recognition. Even sizes are color-coded orange, 1/2 trade sizes are yellow, and 1/4 trade sizes are green.

EMI SHIELDING

Allied IMC greatly reduces electromagnetic fields, effectively shielding computers and sensitive electronic equipment from the electromagnetic interference caused by power distribution systems. For further information, visit our website for a free download of the GEMI (Grounding and ElectroMagnetic Interference) analysis software and related research studies.

FULL CODES AND STANDARDS COMPLIANCE

Allied IMC is listed to Underwriters Laboratories Safety Standard UL 1242 and meets ANSI C80.6. These standards have been adopted as Federal Specifications in lieu of WWC-581-Type 2. IMC is recognized as an equipment grounding conductor by NEC Section 250-118. Documentation for compliance with NEC Article 250 is also available in the GEMI (Grounding and ElectroMagnetic Interference) analysis software and related research studies found at the www.alliedeg.com website.

Installation of IMC shall be in accordance with the National Electrical Code and the UL listing information. Allied IMC is listed in category DYBY.

Master bundles conform to NEMA standard RN2.

SPECIFICATION DATA

Intermediate Metal Conduit shall be equal to that manufactured by Allied Tube & Conduit Corporation. IMC shall be hot galvanized steel O.D. with an organic corrosion resistant I.D. coating and shall be produced in accordance with U.L. Safety Standard #1242 and ANSI

C80.6 and shall be listed by a nationally recognized testing laboratory with follow-up service. Threads shall be hot galvanized after cutting. Where **Kwik-Couple IMC** is used it shall also meet U.L. Safety Standard #514-B. It is noted that these U.L. standards have been adopted by the federal government and separate military specifications no longer exist.

For more information, contact Allied at (800) 882-5543, or visit our website at www.alliedeg.com

Weights and Dimensions for Intermediate Metal Conduit

Trade Size Designator		Approx. Wt. Per 100 Ft. (30.5M)		Nominal Outside Diameter ¹		Nominal Wall Thickness ²		Quantity In Master Bundle	
U.S.	Metric	lb.	kg	in.	mm	in.	mm	ft.	m
1/2	16	62	28.1	0.815	20.7	0.070	1.80	3500	1067.5
3/4	21	84	38.1	1.029	26.1	0.075	1.90	2500	762.5
1	27	119	54.0	1.290	32.8	0.085	2.20	1700	518.5
1-1/4	35	158	71.7	1.638	41.6	0.085	2.20	1350	411.8
1-1/2	41	194	88.0	1.883	47.8	0.090	2.30	1100	335.5
2	53	256	116.1	2.360	59.9	0.095	2.40	800	244.0
2-1/2	63	441	200.0	2.857	72.6	0.140	3.50	370	112.9
3	78	543	246.3	3.476	88.3	0.140	3.50	300	91.5
3-1/2	91	629	285.3	3.971	100.9	0.140	3.50	240	73.2
4	103	700	317.5	4.466	113.4	0.140	3.50	240	73.2

¹Outside diameter tolerances: +/- .005 in. (.13mm) for trade sizes 1/2 (16mm) through 1 (25mm)
+/- .0075 in. (.19mm) for trade sizes 1-1/4 (36mm) through 2 (53mm)
+/- 0.10 in. (.25mm) for trade sizes 2-1/2 (63mm) through 4 (103mm).

²Wall thickness tolerances: + 0.15 in. (.38mm) and - .000 for trade sizes 1/2 (13mm) through 2 (53mm)
+ 0.20 in. (.51mm) and - .000 for trade sizes 2-1/2 (63mm) through 4 (103mm).

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

Weights and Dimensions for Kwik-Couple IMC

Trade Size Designator		Approx. Wt. Per 100 Ft. (30.5M)		Nominal Outside Diameter ¹		Nominal Wall Thickness ²		Quantity In Master Bundle	
U.S.	Metric	lb.	kg	in.	mm	in.	mm	ft.	m
2-1/2	63	441	200.0	2.857	72.6	0.140	3.50	400	122.0
3	78	543	246.3	3.476	88.3	0.140	3.50	300	91.5
3-1/2	91	629	285.3	3.971	100.9	0.140	3.50	250	76.3
4	103	700	317.5	4.466	113.4	0.140	3.50	200	61.0

¹Outside diameter tolerances: +/- .010 in. (.25mm)

²Wall thickness tolerances: + .020 in. (.51mm) and - .000

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



Allied Tube & Conduit
Registered to ISO 9001:2000
File Numbers A2106, A1654, A12788

ALLIED ELECTRICAL GROUP

• Allied Tube & Conduit • AFC Cable Systems® • Cope® Cable Tray • Power-Strut® Metal & Fiberglass Framing

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