

RepublicConduit

Galvite® Electrical Rigid Metal Conduit-Steel

Simplify Installation, Save Time, Spend Less

Republic Conduit's Galvite® Electrical Rigid Metal Conduit-Steel (Galvite® ERM-C-S) means superior protection, strength, safety and ductility for your wiring jobs. It is manufactured from high quality, flat rolled steel and is produced by an Electric Resistance Welding process. Its welds are strong and smooth, and its tightly adhering finish is free of burnt or hard spots.

This product is Hot-Dip Galvanized inside and out, and is ideal for jobs where severe bending may be required. Republic Conduit's Galvite ERM-C-S is suitable for the most demanding industrial and commercial building and construction jobs, both indoors and outdoors, and is produced to American National Standards Institute (ANSI) specification C80.1 and UL standard 6.

Our products are manufactured to the highest criteria of the American National Standards Institute (ANSI) and Underwriters Laboratories (UL).

Republic Conduit is committed to implementing effective quality management systems and processes. Our Georgia facility has maintained an ISO certification since 1995 and has been recertified in 2008. Also in 2008, the Kentucky facility has achieved its initial certification by successfully meeting the requirements for ISO 9001:2000.



Features and Benefits

Consistent Quality – for 80 years, Republic Conduit's products have been and are today manufactured to all of the required specifications and customer needs. Because Republic Conduit's Galvite ERM-C-S is manufactured for long life, it is durable, strong, and suitable for the harshest environmental conditions, providing complete mechanical and physical protection to any electrical wiring project. The metal is welded to ensure quality standards are met and exceeded. The inside surface of the pipe is obstruction-free and extra smooth, making wire pulling and pushing easy.

Lower Life-Cycle Costs – Republic's conduit is impact and fire resistant, chemically compatible with concrete, and resists cracking, flaking, peeling and damage from severe bending. Its physical and mechanical properties ensure that the pipe has an extended shelf life, great for usage or storage without degradation in quality. The product is easy to cut, form and join.

System Grounding and Electromagnetic Interference Shielding – wires encased in Republic Conduit's Galvite ERM-C-S protect electric / electronic equipment from being damaged by the electromagnetic field.

Trade sizes range from 1/2" to 6".

Conduit is manufactured in the U.S.

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The image shows a close-up of a RepublicConduit pipe with a multi-colored wire (blue, red, and black) running through it. The RepublicConduit logo is printed on the side of the pipe.

Available Sizes

Republic's Galvite® ERM-C-S is provided with a color coded thread protector on one end and a coupling on the other, for easier identification and thread protection.

Inventories of our products are maintained by leading electrical distributors throughout North America. Contact our Agent in your area today or visit www.republicconduit.com for more information.

Weights and Dimensions*

Trade Size Designator		Outside Diameter (OD)		Nominal Inside Diameter (ID)		Nominal Weight per 100 Feet		Feet per Bundle	Standard Lifts				Treads per inch	Color Code	Method
		IN	mm	IN	mm	LBS	kg		Length		Weight				
US	Metric	IN	mm	IN	mm	LBS	kg		FEET	m	LBS	kg			
1/2	16	0.840	21.34	0.622	15.8	82	37.2	100	2500	762.5	2050	929.7	14	Black	End Caps
3/4	21	1.050	26.67	0.824	20.93	109	49.4	50	2000	610	2180	988.7	14	Red	End Caps
1	27	1.315	33.4	1.049	26.64	161	73	50	1250	381.3	2013	912.9	11.5	Blue	End Caps
1 1/4	35	1.660	42.16	1.38	35.05	218	98.9		900	274.5	1962	889.8	11.5	Red	End Caps
1 1/2	41	1.900	48.26	1.61	40.89	263	119.3		800	244	2104	954.2	11.5	Black	End Caps
2	53	2.375	60.33	2.067	52.5	350	158.7		600	183	2100	952.4	11.5	Blue	End Caps
2 1/2	63	2.875	73.03	2.469	62.71	559	253.5		370	112.9	2068	937.9	8	Black	End Caps
3	78	3.500	88.9	3.068	77.93	727	329.7		300	91.5	2181	989.1	8	Blue	End Caps
3 1/2	91	4.000	101.6	3.548	90.12	880	399.1		250	76.3	2200	997.7	8	Black	End Caps
4	103	4.500	114.3	4.026	102.26	1030	467.1		200	61	2050	934.2	8	Blue	End Caps
5	129	5.563	141.3	5.047	128.19	1400	634.9		150	45.8	2100	952.4	8	Blue	End Caps
6	155	6.625	168.28	6.065	154.05	1840	834.5		100	30.5	1840	834.5	8	Blue	End Caps

Outside Diameter

For trade sizes through 2"	±0.015	±0.38 mm
For trade size 2 1/2" through 4"	±0.025	±0.64 mm
For trade sizes 5" through 6"	±1%	

- * The values in feet / pound units are standard. The metric equivalents may be approximate. Conduit is always identified by its English or Metric Trade Size Designator.
- * Republic's Galvite® ERM-C-S is provided with a color coded thread protector on one end and a coupling on the other.

- * All sizes furnished in 10' lengths.
- * Applicable length tolerance = ±1/4" (±6.35 mm) without a coupling.
- * All dimensions and weights shown above are nominal.

Specifications

Architects desiring to specify Galvite ERM-C-S from Republic Conduit should include the following description:

Electrical conductors shall be enclosed in Galvite ERM-C-S in accordance with the National Electrical Code. Rigid steel conduit shall be mild steel, manufactured, Hot-Dip Galvanized and produced to the following specifications:

- National Electric Code, 2002 Article 344 (1999 NEC, Article 346)
- UL Standard for Electrical Rigid Metal Conduit – Steel, UL 6, File # E104582
- Federal Specification WW-C-581 (Class 1 Type A)

The above Federal Specification WW-C-581 may still be referenced; however, the federal government has canceled it and has adopted the UL 6 standard.

For more information, visit www.republicconduit.com.

*All orders are subject to Republic Conduit's Terms and Conditions, a copy of which is available upon request.

