

ELECTRO LINE



**TUBULAR CATALOG
2015-2016**



THE
BROADEST LINE
OF QUALITY
ELECTRICAL
TUBULAR
PRODUCTS...
PLUS
THE BEST
PERFORMANCE
GUARANTEE
IN THE INDUSTRY

Electroline Fittings LLC



Where applicable, ELECTROLINE® products are engineered in accordance with the standards established by Underwriters' Laboratories. Most of ELECTROLINE® products are listed by Underwriters' Laboratories and certified by the Canadian Standards Association. Dimensional data listed in this catalog is intended for general reference with reasonable tolerance limits.



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ABOUT US

Efficiency is one of the most important aspects of all business segments and it is therefore of paramount importance to make a difference when you purchase your supplies. Electroline® aims to lower your cost of doing business by delivering better quality, prompt and accurate service and trouble free performance consistently and cost-effectively. As one of the world's most diversified manufacturer of electrical conduit and fittings, Electroline® is set out to stay at the summit of the technologies of product development and production. As an Electrical Distributor, Electrical Contractor or End User, you can be rest assured that no other company can deliver such a comprehensive program at an overall cost as low as ours.

Electroline® is the only manufacturer in the industry that combines electrical conduit, fittings and supplies under one umbrella that reduces the number of your suppliers giving rise to an easier and economical way of how you purchase whether for your projects or for your inventory.

We are not only focused in a product line such as steel, die-cast or malleable iron nor are we focused in a certain line of conduit such as EMT or Rigid or Flexible but rather we do have a product solution for all these groups in all forms of metal as well as the conduit that makes us unique in the industry.

All of our products, where applicable, are continuously manufactured and inspected to meet or exceed the applicable standards of the following significant third party approvals:

Underwriters Laboratories Standards



American National Standards Institute

ASTM International

(Formerly known as the American Society for Testing and Materials (ASTM))



All Electroline® fittings are manufactured to be installed according to the National Electrical Code on listed raceways. The UL marks appear on listed parts wherever possible and on the carton labels of all listed items.

All our straight steel conduits whether they are EMT or Rigid exceed the UL requirements for corrosion resistance since they are zinc coated both inside and outside using hot dip galvanizing process , so that metal-to-metal contact and galvanic protection against corrosion are provided.

The surface of our straight steel conduits are provided with a clear post-galvanizing coating to provide further protection against corrosion. The interior surface provides a smooth continuous raceway for easy wire pulling.



PRODUCT INTRODUCTION

Electroline's Galvanized Steel Electrical Metallic Tubing (EMT) is excellent electrical conduit to be used currently and available in the marketplace.

Electroline EMT is manufactured from high-strength steel, and produced with the electric resistance welding process.

The interior and exterior surfaces of Electroline EMT are free from defect with a smooth welded seam, and are thoroughly and evenly coated with zinc with hot dip galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided.

The surface of Electroline EMT adopt the clear post-galvanizing coating to provide further protection against corrosion. The interior surface provides a smooth continuous raceway for easy wire pulling. Our EMT conduit has excellent ductility providing for uniform bending, cutting in the field.

EMT is produced in normal trade sizes from 1/2" to 4". EMT is produced in standard lengths of 10 feet (3.05 m). The quantity in bundle and master bundle is as per table below. Bundles of finished EMT are identified with color coded tape for easy size identification.

FEATURES AND BENEFITS

Consistent Quality – We manufacture for long life; it is durable, strong, and suitable for bending. The steel is welded to ensure quality standards are met strictly. We do not have any trouble with welds spiting or wrinkling from severe bending caused by improper raw materials or poor quality control during pipe welding. The product is easy to cut, form and join.

Excellent ID smoothness - We manufacture the pipes with removing ID flash during pipe making and putting protective coating over galvanizing to provide longer life cycle and excellent smoothness and more wire capacity together with no hassle in stripping wire and less friction between wall and wire.

Lower Life-cycle costs – Electroline resists cracking, flaking, peeling, impact, and damage from severe bending. Electroline's physical and mechanical properties ensure that the pipe has an extended life cycle, which is great to usage or to 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 EMT is manufactured in accordance with the latest edition of the following:

- American National Standard for Rigid Steel EMT (ANSI® C80.3)
- Underwriters Laboratories Standard for EMT-Steel (UL797)
- National Electric Code® 2002 Article 358 (1999 NEC® Article 348)

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 Electrical Metallic Tubing (EMT) is FJMX.

DIMENSION AND WEIGHT CHART (EMT & COLOR EMT)

Trade Size		Nominal Wt. per100Ft(30.5M)		Nominal Outside Diameter		Nominal Wall Thickness	
U.S.	Metric	Lbs	Kg	In.	mm	In.	mm
1/2"	16	30	13.5	0.706	17.93	0.042	1.07
3/4"	21	46	20.7	0.922	23.42	0.049	1.24
1"	27	67	30.6	1.163	29.54	0.057	1.45
1-1/4"	35	101	45.6	1.510	38.35	0.065	1.65
1-1/2"	41	116	52.8	1.740	44.20	0.065	1.65
2"	53	148	67.2	2.197	55.80	0.065	1.65
2-1/2"	63	216	97.9	2.875	73.03	0.072	1.83
3"	78	265	120.0	3.500	88.90	0.072	1.83
3-1/2"	91	348	158.0	4.000	101.60	0.083	2.11
4"	103	392	178.0	4.500	114.30	0.083	2.11

PACKING SCHEDULE (EMT & COLOR EMT)

Trade Size		Color Tape	Quantity in 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	700	70	7000	2134	2083	945
3/4"	21	Red	100	30.5	500	50	5000	1524	2282	1035
1"	27	Blue	100	30.5	300	30	3000	914	2024	918
1-1/4"	35	Red	50	15.2	200	40	2000	610	2011	912
1-1/2"	41	Black	50	15.2	150	30	1500	457	1746	792
2"	53	Blue	30	9.14	120	40	1200	366	1777	806
2-1/2"	63	Black	-	-	61	-	610	186	1316	597
3"	78	Blue	-	-	51	-	510	155	1349	612
3-1/2"	91	Black	-	-	37	-	370	113	1290	585
4"	103	Blue	-	-	30	-	300	91	1177	534

APPLICABLE TOLERANCES

Length: 10Ft (3.05m) ± ¼" (±6.35mm).

Outside Diameter: ½"-2" ±0.005"

(±0.13mm); 2½" ±0.010" (±0.25mm); 3"

±0.015" (±0.38mm); 3½"-4" ±0.020"

(±0.51mm)

Certificate No : E358458 (20121018)





PRODUCT INTRODUCTION

Color EMT is the most effective to instant identification of emergency, fire and healthcare, communications wiring in many other industrial fields.

Color EMT eliminates paint spray or color taping or other identification actions in the field. Electroline developed the color EMT based on prime EMT which is made from high-strength in sheet through electrical resistance welding tube, then using a hot dip galvanizing process inside and outside.

Color EMT shall comply with UL797 and ANSI C80.3 standard. Color EMT is produced in normal trade sizes from 1/2" to 4" in standard lengths of 10 feet (30.5 meter) and color tape for quick identification of the conduit size.

Black EMT

- Blends in dark colored areas
- Open architecture

RED EMT

- Emergency circuits
- Fire alarm and Security systems

Orange EMT

- Construction/research areas
- Fiber optic systems
- Auto repair/maintenance

Yellow EMT

- High voltage wiring
- Caution areas
- Special equipment

Green EMT

- Hospital and healthcare areas
- Nurse call stations
- Critical circuits

Blue EMT

- Low voltage wiring
- Data com/ video
- Network security

Purple

- Specialty wiring systems
- Security systems

White EMT

- Blends in light colored areas
- Open architecture



* Available in different colors upon request. Please contact factory.
* We use oven-drying method to apply paints on the conduits.

PRODUCT INTRODUCTION

EMT elbow is manufactured from prime EMT conduit in accordance with the latest specifications and standards of ANSI C80.3(UL797).

The interior and exterior surfaces of elbows are free from defect with a smooth welded seam, and also are thoroughly and evenly coated with zinc with hot dip galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided, and surface of elbows adopts the clear post-galvanizing coating to provide further protection against corrosion.

Elbows are produced in normal trade sizes from 1/2" to 4", the degrees including 90 deg, 60 deg, 45 deg, 30 deg, 22.5 deg, 15 deg or according to customer's request.

The elbows are used to connect the EMT conduit to change the way of the EMT conduit.

DIMENSION AND PACKING CHART (90°)

Trade Size	Mini.UL Radius		Weight per 100PCS		PCS/Carton	Weight/ Carton	
	mm	in.	KG	LBS		KG	LBS
1/2"	102	4.016	10.8	24	50	5.42	11.95
3/4"	114	4.488	19.7	43	50	9.84	21.70
1"	146	5.748	35.1	77	20	7.02	15.48
1-1/4"	184	7.244	64.3	142	20	12.86	28.35
1-1/2"	210	8.268	84.8	187	10	8.48	18.70
2"	241	9.488	123.4	272	10	12.34	27.20
2-1/2"	267	10.512	211.8	467	50	105.92	233.52
3"	330	12.992	310.8	685	35	108.79	239.83
3-1/2"	381	15.000	471.4	1039	35	164.99	363.74
4"	406	15.984	566.1	1248	25	141.52	312.00



DIMENSION AND PACKING CHART (45°)

Trade Size	Mini.UL Radius		Weight per 100PCS		PCS/Carton	Weight/ Carton	
	mm	in.	KG	LBS		KG	LBS
1/2"	102	4.016	7.7	17	50	3.87	8.54
3/4"	114	4.488	13.4	29	50	6.69	14.74
1"	146	5.748	23.1	51	35	8.08	17.81
1-1/4"	184	7.244	42.6	94	30	12.78	28.18
1-1/2"	210	8.268	57.1	126	15	8.57	18.89
2"	241	9.488	85.9	189	15	12.89	28.42
2-1/2"	267	10.512	141.2	311	50	70.62	155.68
3"	330	12.992	220.3	486	40	88.13	194.29
3-1/2"	381	15.000	341.9	754	35	119.67	263.81
4"	406	15.984	420.2	926	35	147.07	324.23



REMARK: Elbows with special radius or special degree available upon request

CertificateNo: E358458 (20121018)



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%



Certificate No: E468594 (20140519)

PRODUCT INTRODUCTION

Rigid steel conduit elbow is manufactured from prime conduit shell with high-strength in accordance with the latest specifications and standard of ANSI C80.1(UL6).

Elbows are produced in normal trade sizes from 1/2" to 6", the degrees including 90 deg, 60 deg ,45 deg, 30 deg,22.5deg,15deg or according to customer's request .

Elbows are threaded on both ends,a thread protector with industry color-coded by sizes from 3" to 6" applied.

The elbows are used to connect the rigid steel conduit to change the way of the conduit.

DIMENSION AND PACKING CHART (90°)

Trade Size	Mini.UL Radius		Weight per 100PCS		PCS/Carton	Weight/ Carton	
	mm	in.	KG	LBS		KG	LBS
1/2"	102	4.016	29.9	66	50	14.94	33
3/4"	114	4.488	47.0	104	50	23.49	52
1"	146	5.748	83.8	185	20	16.75	37
1-1/4"	184	7.244	139.4	307	20	27.89	61
1-1/2"	210	8.268	191.2	421	10	19.12	42
2"	241	9.488	291.9	644	10	29.19	64
2-1/2"	267	10.512	549.6	1212	50	274.82	606
3"	330	12.992	854.8	1884	35	299.16	660
3-1/2"	381	15.000	1190.5	2624	35	416.66	919
4"	406	15.984	1485.2	3274	25	371.30	819
5"	610	24.016	3173.8	6997	BULK		
6"	762	30.000	5119.5	11286	BULK		



DIMENSION AND PACKING CHART (45°)

Trade Size	Mini.UL Radius		Weight per 100PCS		PCS/Carton	Weight/ Carton	
	mm	in.	KG	LBS		KG	LBS
1/2"	102	4.016	21.3	47	50	10.67	24
3/4"	114	4.488	31.9	70	50	15.95	35
1"	146	5.748	55.0	121	35	19.27	42
1-1/4"	184	7.244	92.4	204	30	27.72	61
1-1/2"	210	8.268	128.8	284	15	19.31	43
2"	241	9.488	203.3	448	15	30.50	67
2-1/2"	267	10.512	366.4	808	50	183.21	404
3"	330	12.992	605.9	1336	40	242.36	534
3-1/2"	381	15.000	863.4	1903	35	302.19	666
4"	406	15.984	1102.4	2430	35	385.85	851
5"	610	24.016	2167.0	4777	BULK		
6"	762	30.000	3406.2	7509	BULK		



REMARK: Elbows with special radius or special degree available upon request



Certificate No: E468594 (20140519)

PRODUCT INTRODUCTION

Rigid conduit Nipple is manufactured from high-strength conduit shell in according with the latest specifications and standards of ANSI C80.1(UL6).

The interior and exterior surfaces of nipples are free from defect with a smooth welded seam, and are thoroughly and evenly coated with zinc with hot dip galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided, the nipples with short length are electric plated and longer length ones adopt the clear post-galvanizing coating to provide further protection against corrosion.

Nipples are produced in normal trade sizes from 1/2" to 6", the lengths of the nipples including close nipples, 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", 8", 10", 12" or according customer's request .

The nipples are used to connect the rigid steel conduit to extend the length of the conduit.

Durable Design: Electroline' s rigid fittings designs are driven by the needs of the electrician and provide ease of installation and on the job reliability.

Industry and Code Compliance: Electroline engineers are actively engaged in the industry and continuously updating and improving designs to assure our fittings meet the requirements of the NEC as well as listing requirements under UL and CSA.

Lower Installed Cost: Our always-ready product availability, installation advantages and long-term performance add up to a lower installed cost for Electroline rigid fittings.



RIGID CONDUIT NIPPLES

DIMENSION AND PACKING CHART

PIPE SIZE (IN)	CLOSE LENGTH (IN)	CLOSE		1-1/2"		2"		2-1/2"		3"	
		STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100
1/2"	1-1/8"	600	6	600	8	600	12	400	15	400	19
3/4"	1-3/8"	400	9	400	9	300	14	300	19	200	24
1"	1-1/2"	300	16			200	22	200	28	150	36
1-1/4"	1-5/8"	150	22			150	28	150	37	100	47
1-1/2"	1-3/4"	100	28			75	34	75	44	50	56
2"	2"	75	44					50	59	50	72
2-1/2"	2-1/2"	40	84							40	100
3"	2-5/8"	30	118							20	130
3-1/2"	2-3/4"	20	160								
4"	2-7/8"	20	180								
5"	3"	5	240								
6"	3-1/8"	5	350								

LENGTH	3-1/2"		4"		5"		6"		8"		10"		12"	
	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100	STD CTN QTY	LBS PER 100
1/2	300	22	300	26	200	33	200	40	100	54	75	68	75	82
3/4	200	28	150	34	100	43	100	52	75	73	50	89	50	109
1	150	43	100	49	100	64	75	78	50	109	50	138	50	166
1-1/4	100	55	100	66	75	84	50	100	50	136	40	176	30	216
1-1/2	50	68	50	80	50	103	50	122	40	170	30	216	20	260
2	40	88	40	103	40	132	30	160	20	220	20	285	15	335
2-1/2	30	120	30	150	20	197	20	240	10	329	10	422	10	505
3	15	157	15	200	15	260	10	300	7	411	5	528	5	630
3-1/2			10	240	8	320	8	373	7	510	4	655	4	785
4			10	285	8	380	8	440	4	600	4	775	4	925
5					5	480	5	600	4	825	3	1055	3	1260
6					5	660	5	820	4	1125	3	1440	3	1720

REMARK: Nipples longer than 12" lengths or special threading available upon request
Certificate No: E468594 (20140519)



PRODUCT INTRODUCTION

The rigid conduit coupling is used to connect the electrical steel conduits together, thus extending the length of the conduit pipe. It is manufactured from seamless steel pipes according to ANSI C80.1 and UL6 standards with UL certificate number of E468594 .Its trade size can be from 1/2" to 6" . Electroline produces the rigid conduit coupling zinc plate on both outer side and inner side. The internal surface can also be electro-galvanized completely.

DIMENSION AND PACKING CHART

Trade Size	Weight Per 100 pcs		Outside Diameter		Minimum Acceptable Legnth		Standard Carton Qty PCS	Weight Per Carton	
	KG	LBS	mm	in.	mm	in.		KG	LBS
1/2"	6.35	14	25.7	1.012	41.3	1.626	400	25.4	56
3/4"	9.07	20	31.8	1.252	41.7	1.642	300	27.2	60
1"	14.06	31	38.7	1.524	50.0	1.969	180	25.3	56
1-1/4"	17.69	39	47.5	1.870	51.6	2.031	100	17.7	39
1-1/2"	25.4	56	54.7	2.154	52.4	2.063	75	19.1	42
2"	33.11	73	67.3	2.650	54.0	2.126	60	19.9	44
2-1/2"	83.92	185	82.6	3.252	81.0	3.189	12	10.1	22
3"	102.51	226	98.3	3.870	84.1	3.311	8	8.2	18
3-1/2"	162.39	358	114.3	4.500	86.5	3.406	4	6.5	14
4"	181.44	400	123.8	4.874	89.3	3.516	4	7.3	16
5"	225.44	497	152.4	6.000	100.4	3.953	2	4.5	10
6"	370.10	816	182.9	7.201	108.0	4.252	3	11.1	24



Certificate No: E468594 (20140519)





FEATURES

- Interlocked
- Steel construction
- Premium hot dip galvanized zinc coating
- Superior corrosion resistance
- Smooth interior for easy wire pull-thru
- Easy installation to follow contours
- Available cut to custom lengths
- Extra flexibility for simplified positioning
- For fixture whip and modular wiring assemblies, a special version lays straight and flat when cut, to give consistent lengths and easy wire insertion
- Available in units cut to specific lengths – consult factory
- +400° F Maximum temperature

NEC ARTICLES

- Article 250.102, 250.118(5) and 250.134 (B) Equipment Grounding
- Article 348 Flexible metal conduit. (FMC)
- Article 430.223 Raceway connection to motors
- Article 501.10, Class I, Div. 2: Classes II and III
- Article 502.10, Class II, Div. 1 & 2
- Article 503.10, Class III, Div. 1 & 2
- Article 604.6 manufactured wiring system
- Article 620.21 Elevators, Escalators and Platform Lifts
- Article 645/5 (D) (2) Information Technology Equipment



USES

Cable protection for the following potentials:

- High rise buildings
- Machine tools
- Area subject to heat and sparks
- Computer / Telephone / Controller

SPECIFICATIONS

- The below data might be changed without prior notice
- Special sizes are available on request

Size (inch)	Inside Diameter		Outside Diameter		Length of Each Roll	
	Min (mm)	Max (mm)	Min (mm)	Max (mm)	(Ft.)	(m.)
1/2"	15.80	16.50	18.20	18.90	200	50
3/4"	20.70	21.60	23.20	23.90	200	50
1"	26.00	27.00	29.20	30.00	100	30
1 1/4"	35.00	35.80	38.30	39.00	50	15
1 1/2"	40.20	41.00	43.30	44.20	50	15
2"	51.00	51.80	54.20	56.00	50	15
2 1/2"	62.80	64.20	67.50	68.60	30	10
3"	77.80	79.00	82.80	84.00	30	10
4"	101.20	102.80	106.00	107.60	30	10

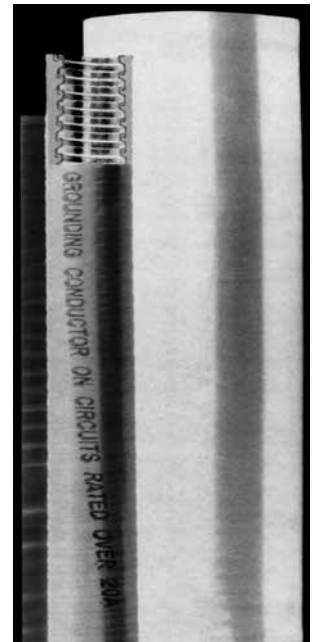


FEATURES

- Galvanized steel core for lasting mechanical protection
- Durable, abrasion resistant PVC jacket won't wrinkle or shrink from cut ends
- Exceptional crush proof qualities
- Smooth interior for easy wire pull-thru
- Complete protection against most liquids and moisture vapor
- Resists sunlight, heat, oil and chemical degradation; Rated: -20° C to +60° C (-5° F to +140° F)
- Accepts standard UL Listed liquid-tight connectors
- Superior protection for circuits located in hostile environments
- Installs quickly and easily from handy payout carton
- Standard package is shrink-wrapped coils
- Approved for direct burial and in concrete

NEC ARTICLES

- Article 250.118 Equipment Grounding
- Article 300.22 Air Plenum
- Article 350 Liquidtight Flexible Metal Conduit
- Article 501.10, Class I, Div. 2:Classes II and III
- Article 502.10, Class II, Div. 1 & 2
- Article 503.10, Class III, Div. 1&2
- Article 511.7, Above Class I Locations
- Article 620.21 Elevators, Escalators and Platform Lifts
- Article 645.5 Information Technology Equipment
- Article 680.42 Pools, Hot Tubs and Fountains
- Article 695.6 Electrical Fire Pump



USES

Liquid-Tight Flexible Metallic Conduit, EF, gives protection for wiring circuits located in extremely wet or damp areas. Also suitable for machines and equipment where ruggedness is required. Now in use on presses, welders, pumps, blowers, grinders, conveyors, automated lines, etc.

SPECIFICATIONS

• Special sizes are available on request - consult factory

Size (inch)	Inside Diameter		Outside Diameter		P.V.C. Jacket Thickness		Min. Bending Radius (mm.)	Length of Each Roll	
	Min (mm)	Max (mm)	Min (mm)	Max (mm)	Min (mm)	Max (mm)		(Ft.)	(m.)
1/2"	15.70	16.30	20.80	21.30	1.00	1.35	70	100	30
3/4"	20.70	21.30	26.00	26.70	1.10	1.55	100	100	30
1"	26.20	26.90	32.70	33.40	1.70	1.95	180	100	30
1 1/4"	35.10	35.70	41.50	42.20	1.25	1.70	200	50	15
1 1/2"	40.20	40.80	47.40	48.30	1.80	2.30	250	50	15
2"	51.00	51.80	59.40	60.30	2.40	2.80	450	50	15
2 1/2"	62.50	64.00	72.10	73.00	2.00	2.50	550	25	7.5
3"	77.60	78.80	87.70	88.90	2.50	3.20	800	25	7.5
4"	101.10	102.50	113.20	114.30	2.80	3.03	1200	25	7.5



FEATURES

- Meets ASTM E162 Flame spread Index ASTM E662 smoke density
- Non-halogen thermoplastic jacket
- For use with standard metallic liquid-tight fittings
- Approved for direct burial in ground and in concrete
- RoHS WEEE compliant
- Temperature range -40° C to 60° C (-40° F to 140° F)
- Meets UL94 and NES-711 for low smoke Index
- Suitable for use in hazardous locations per NEC article 501 Class I Div. 2, Article 502 Class II Div. 1 & 2, Article 503 Class III Div. 1 & 2
- Self-extinguishing, thermoplastic jacket with copper ground wire through 1-1/4"

USES

Seals Out abrasives, alcohol, fumes, gases, dirt, oils, water and spray suitable for the following potentials :

- Underground railway, Tunnels
- Hospitals, public places
- Machine tools
- Air conditioning / ventilation
- Computer / underfloor applications
- Airports, public building and halogen
- Security



SPECIFICATIONS

- The below data might be changed without prior notice.
- Special sizes are available on request.

Size (inch)	Inside Diameter		Outside Diameter		Vinyl Sheath Thickness (m.)	Min. Bending Radius (mm.)	Length of Each Roll	
	Min (mm)	Max (mm)	Min (mm)	Max (mm)			Ft.	m.
1/2"	15.7	16.3	20.2	20.7	0.5	65	100	30
3/4"	20.7	21.2	25.5	26.1	0.8	75	100	30
1"	26.0	26.6	31.6	32.2	0.8	100	100	30
1-1/4"	34.7	35.4	40.8	41.5	0.8	125	50	15
1-1/2"	40.0	40.6	46.6	47.2	1.0	150	50	15
2"	51.3	51.9	58.1	58.7	1.0	175	50	15
2-1/2"	62.9	63.3	72.1	73.0	1.0	200	25	10
3"	77.9	78.7	87.9	88.9	1.2	225	25	10
4"	101.6	102.6	113.2	114.3	1.2	275	25	10

PRODUCT INTRODUCTION

Electroline' s BS/EN4568 conduit is manufactured from high-strength steel coil in accordance with the standard of BS/EN4568. Class 3 pipe for Pre-galvanized and Class 4 pipe for hot dip galvanized inside and outside, so that metal-to-metal contact and galvanic protection against corrosion are provided, and surface of conduit adopts the clear post-galvanizing coating to provide further protection against white rust and corrosion.

The interior surface provides a smooth continuous raceway for easy wire pulling. And the conduit is threaded on both ends, with a coupling applied to one end and a thread protector to the other.

The ductility characteristics of our BS/EN4568 steel conduits help for easy bending, cutting, and threading in the field.

The steel conduit is produced in normal sizes OD16mm, OD20mm, OD25mm, OD32mm , OD40mm , OD50mm in standard length of 3.75 meters or according to customer's request.

The conduit is used to get through the electrical wires with the purpose of protection for the electrical raceway system and can replace the gas pipes for underground water.

DIMENSION AND WEIGHT CHART

Size(mm)	Outer Diameter (mm)		Thickness (mm)	Thread Length(mm)		Weight(g/m)	
	Min	Max		Min	Max	Min	Max
16	15.7	16.0	1.4±0.15	11.5	13.5	452	531
20	19.7	20.0	1.6±0.15	13.0	15.0	682	862
25	24.6	25.0	1.6±0.15	16.0	18.0	860	1095
32	21.6	32.0	1.6±0.15	18.0	20.0	1133	1432
40	39.5	40.0	1.6±0.15	19.0	22.0	1360	1520
50	49.5	50.0	1.6±0.15	19.0	22.0	1710	1910



CERTIFICATION

CERTIFICATE OF COMPLIANCE

Certificate Number 20140716-E468594
Report Reference E468594-20140519
Issue Date 2014-JULY-16

Issued to: ELECTROLINE FITTINGS L L C
SUITE 106
110 HARMON DR
BLACKWOOD, NJ 08012 USA


**This is to certify that
representative samples of**

Rigid Ferrous Metal Conduit
1/2 (16), 3/4 (21), 1 (27), 1-1/4 (35), 1-1/2 (41), 2 (53),
2-1/2 (63), 3 (78), 3-1/2 (91), 4 (103), 5 (129), 6 (155),
1/2 (16), 3/4 (21), 1 (27), 1-1/4 (35), 1-1/2 (41), 2 (53),
2-1/2 (63), 3 (78), 3-1/2 (91), 4 (103), 5 (129), 6 (155),
1/2 (16), 3/4 (21), 1 (27), 1-1/4 (35), 1-1/2 (41), 2 (53),
2-1/2 (63), 3 (78), 3-1/2 (91), 4 (103), 1/2 (16), 3/4 (21),
1 (27), 1-1/4 (35), 1-1/2 (41), 2 (53), 2-1/2 (63), 3 (78),
3-1/2 (91), 4 (103), 5 (129), 6 (155), 5 (129), 6 (155)
Number in brackets indicates Metric Designator

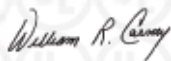
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: Electrical Rigid Metal Conduit - Steel, UL 6
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's
Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the
word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category
name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

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contact a local UL Customer Service Representative at www.ul.com/contactus



CERTIFICATION

CERTIFICATE OF COMPLIANCE

Certificate Number 20131223-E358458
Report Reference E358458-20121018
Issue Date 2013-DECEMBER-23

Issued to: ELECTROLINE FITTINGS L L C
SUITE 106
110 HARMON DR
BLACKWOOD , NJ 08012
US

Tradename: ELECTROLINE FITTINGS COMPANY™


**This is to certify that
representative samples of**

Electrical Metallic Tubing
E-EMT 50L, E-EMT 75L, E-EMT 100L, E-EMT 125L,
E-EMT 150L, E-EMT 200L

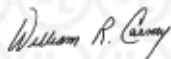
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: Electrical Metallic Tubing – Steel, UL 797
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's
Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the
word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category
name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

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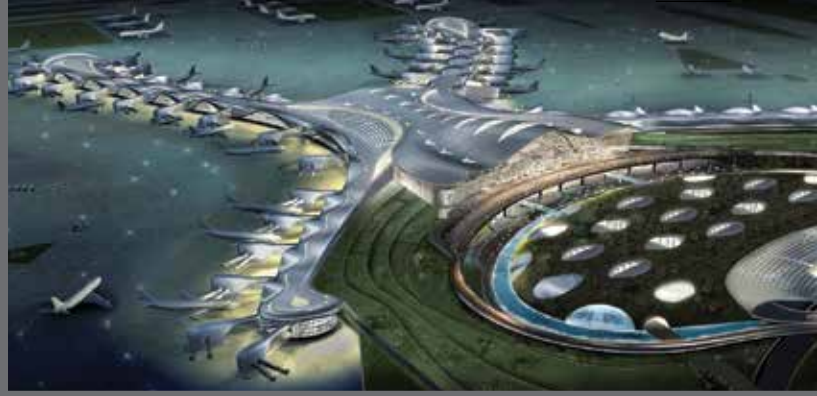
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CATALOG 4734-0101

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WAYS TO HELP
CONTRACTORS
DO THEIR JOBS
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MORE
EFFICIENTLY



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CORPORATE HEADQUARTERS

ELECTROLINE FITTINGS LLC

110 Harmon Dr., Unit 106, Blackwood,
NJ 08012, U.S.A

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