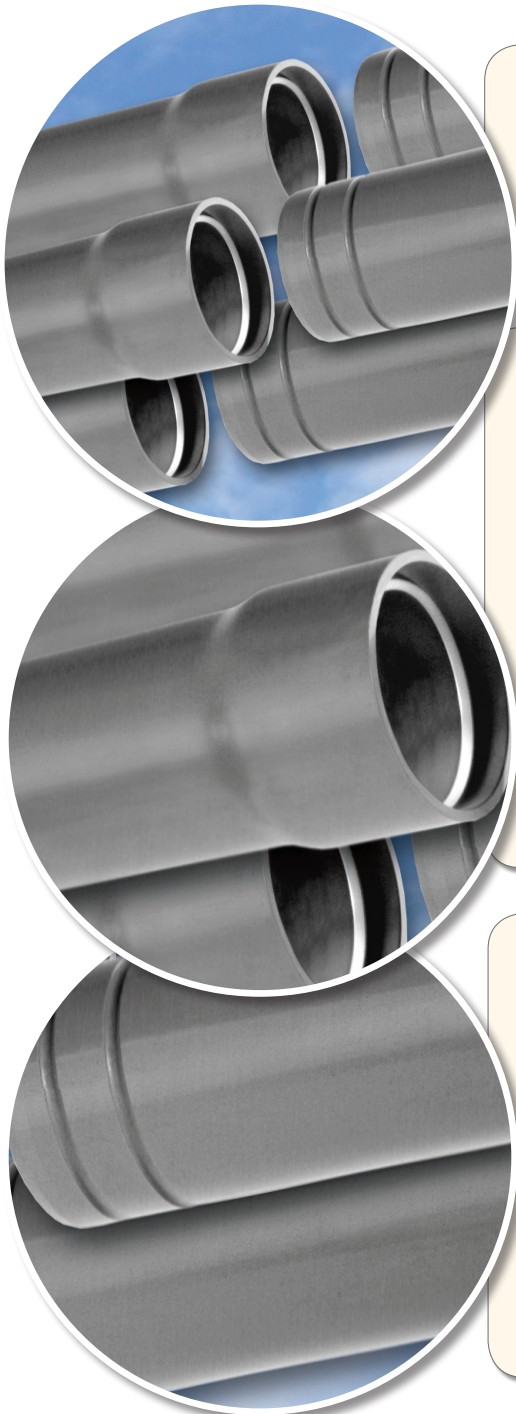




EAGLE LOC

ELECTRICAL CONDUIT

MEETS NEMA TC-2.



APPLICATIONS

JM Eagle's Eagle Loc Electrical Conduit can be utilized in any utility application where solvent-weld PVC conduit is used.

DESCRIPTION

JM Eagle's Eagle Loc Electrical Conduit features a spline-locking system that requires no cementing or fusion welding. Its design lends itself to open-trench construction as well as horizontal direction drilling.

Available in 4-, 5- and 6-inch diameters and 20-foot lengths, its standard Schedule 40 dimensions offer ease of use with solvent-welded Schedule 40 fittings.

JM Eagle supplies approved lubricant, splines and O-rings with every order.

The product is not UL-approved

BENEFITS

JM Eagle's Eagle Loc Electrical Conduit offers many advantages over traditional products.

- In HDD applications, Eagle Loc Electrical Conduit provides high pulling capacity with maximum joint connection.
- An insertion line at the spigot end makes for easier alignment.
- Totally corrosion-free, it provides a strong watertight joint. Its chamfered spigot end makes for easy assembly, plus it's easy to disassemble for reuse.

Revised 11/1/2010. This information may have been updated. Please download the latest version at www.jmeagle.com/onesheets.



EAGLE LOC

ELECTRICAL CONDUIT

SUBMITTAL AND DATA SHEET

Schedule 40 Dimensions

Nominal Pipe Size (inches)	Average Outside Diameter (inches)	Approximate Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approximate Weight (lbs/100 ft)
4	4.500	3.99	0.237	228
5	5.563	5.01	0.258	314
6	6.625	6.02	0.280	410

Schedule 40 Performance Data

Nominal Pipe Size (inches)	Typical Stiffness @ 5% deflection (lb/in/in)	Insertion Force (lbs)	Seal Pressure Rating (psi)	Joint Pull Rating (lbs)
4	326	45	75	8,500
5	219	60	75	11,500
6	154	85	75	14,500

Item and Packaging Information

Item Number	Description	Length (ft)	Feet per Crate	Feet per Truckload
460400010307	4" Sch 40 Eagle-Loc™ Conduit	10	290	16,240
460400020307	4" Sch 40 Eagle-Loc™ Conduit	20	580	16,240
460500010307	5" Sch 40 Eagle-Loc™ Conduit	10	230	11,040
460500020307	5" Sch 40 Eagle-Loc™ Conduit	20	460	11,040
460600010307	6" Sch 40 Eagle-Loc™ Conduit	10	200	8,000
460600020307	6" Sch 40 Eagle-Loc™ Conduit	20	400	8,000

Eagle-Loc™ Conduit Accessories

Nominal Pipe Size (inches)	Pkg Qty per bag	Item Number		
		Splines	O-Rings	Combo Bag*
4"	29	4" Spline Bag	4" O-Ring Bag	4" Combo Bag
5"	23	5" Spline Bag	5" O-Ring Bag	5" Combo Bag
6"	20	6" Spline Bag	6" O-Ring Bag	6" Combo Bag

Bell Length

Nominal Pipe Size (inches)	Typical Bell Length (inches)
4	4%
5	4%
6	4%

* Includes splines, O-rings and lube/brush.

ELECTRICAL CONDUIT



SUBMITTAL AND DATA SHEET

SCHEDULE 40 AND SCHEDULE 80 CONDUIT NSF NRTL* ANSI/UL 651 AND NEMA TC-2

RIGID NON-METALLIC CONDUIT FOR USE IN BOTH ABOVE GROUND AND UNDERGROUND INSTALLATIONS

SCHEDULE 40 CONDUIT

Rated for 90°C Conductors

SIZE	AVERAGE O.D.	NOM. I.D.	MIN. T.	APPROX. WT/100 FT
1/2	0.840	0.622	0.109	18
3/4	1.050	0.824	0.113	24
1	1.315	1.049	0.133	33
1-1/4	1.660	1.380	0.140	45
1-1/2	1.900	1.610	0.145	56
2	2.375	2.067	0.154	76
2-1/2	2.875	2.469	0.203	126
3	3.500	3.068	0.216	163
3-1/2	4.000	3.548	0.226	197
4	4.500	4.026	0.237	234
5	5.563	5.047	0.258	319
6	6.625	6.065	0.280	411
8	8.625	7.942	0.322	622

Schedule 40 is furnished in standard 10' lengths with one bell end.
20' lengths are available upon request.

SCHEDULE 80 CONDUIT

Rated for 90°C Conductors

SIZE	AVERAGE O.D.	NOM. I.D.	MIN. T.	APPROX. WT/100 FT
1/2	0.840	0.546	0.147	22
3/4	1.050	0.742	0.154	30
1	1.315	0.957	0.179	42
1-1/4	1.660	1.278	0.191	60
1-1/2	1.900	1.500	0.200	72
2	2.375	1.939	0.218	98
2-1/2	2.875	2.323	0.276	160
3	3.500	2.900	0.300	213
3 1/2	4.000	3.364	0.318	256
4	4.500	3.826	0.337	310
5	5.563	4.813	0.375	430
6	6.625	5.761	0.432	590

Schedule 80 is furnished in standard 10' lengths with one bell end.
20' lengths are available upon request.

* NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) BY OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OHSA)

ELECTRICAL CONDUIT

SUBMITTAL AND DATA SHEET

POWER AND COMMUNICATION DUCT FOR CONCRETE ENCASEMENT

TYPE EB20* :: 1

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	*MIN. T.	APPROX. WT/100 FT
2	2.375	2.255	0.060	36
3	3.500	3.378	0.061	56
4	4.500	4.336	0.082	91
5	5.563	5.357	0.103	141
6	6.625	6.375	0.125	198

¹ Type EB20 also complies with ANSI/UL 651 A

TYPE EB35* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	*MIN. T.	APPROX. WT/100 FT
3	3.500	3.348	0.076	68
4	4.500	4.300	0.100	109
5	5.563	5.311	0.126	168
6	6.625	6.321	0.152	235

* Based on 500,000 psi Modulus

:: Conduit furnished with one bell end per 20-foot length.

:: JM Eagle™ Type EB duct is designed for concrete encasement installations and complies with NEMA TC-6 & TC-8 and ASTM F512.

I.D. : Inside Diameter

O.D. : Outside Diameter

T. : Wall Thickness

ELECTRICAL CONDUIT

SUBMITTAL AND DATA SHEET

POWER AND COMMUNICATION DUCT FOR DIRECT BURIAL

TC-6 & TC-8 TYPE DB60* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	*MIN. T.	APPROX. WT/100 FT
2	2.375	2.255	0.060	36
3	3.500	3.316	0.092	79
4	4.500	4.258	0.121	129
5	5.563	5.259	0.152	197
6	6.625	6.261	0.182	279

* Based on 500,000 psi Modulus

TC-6 & TC-8 TYPE DB100* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	*MIN. T.	APPROX. WT/100 FT
3	3.500	3.276	0.112	91
3 1/2	4.000	3.744	0.128	120
4	4.500	4.212	0.145	152
5	5.563	5.207	0.179	231
6	6.625	6.201	0.213	328

* Based on 500,000 psi Modulus

TC-6 & TC-8 TYPE DB120* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	*MIN. T.	APPROX. WT/100 FT
1	1.315	1.195	0.060	20
1-1/2	1.900	1.780	0.060	29
2	2.375	2.221	0.077	44
3	3.500	3.264	0.118	97
4	4.500	4.192	0.154	160
5	5.563	5.181	0.191	245
6	6.625	6.171	0.227	347

* Based on 500,000 psi Modulus

:: Conduit furnished with one (1) bell end per 20' length.

:: JM Eagle™ Type DB duct is designed for direct burial installations and complies with NEMA TC-6 & 8 and ASTM F512.

400,000 psi Modulus available upon request.

ELECTRICAL CONDUIT

SUBMITTAL AND DATA SHEET

TELEPHONE DUCT

CAO 8546 TYPE C* ::

Rated for 90°C Cable

SIZE	AVERAGE O.D.	NOM. I.D.	*MIN. T.	APPROX. WT/100 FT
4	4.350	4.044	0.149	147

* Based on 500,000 psi Modulus

400,000 psi Modulus available upon request.

:: GTS - 8342 and HDPE Tele Duct available upon request

:: JM Eagle™ Type C PVC duct is designed for direct burial installations of telephone cables and complies with CAO 8546.

I.D. : Inside Diameter

O.D. : Outside Diameter

T. : Wall Thickness

ELECTRICAL CONDUIT

SUBMITTAL AND DATA SHEET

RIGID UTILITY CONDUIT

SCHEDULE 40 UTILITY

NORM. PIPE SIZ (IN)	O.D. (IN)	NOM. I.D. (IN)	*MIN. T. (IN)	APPROX. WEIGHT (WT/100FT)
2	2.375	2.05	0.154	82
3	3.500	3.04	0.216	174
4	4.500	4.00	0.237	242
5	5.563	5.02	0.258	336
6	6.625	6.03	0.280	462

Pipe color is gray. Other colors may be available on request.

Pipe is produced with integral solvent weld bells. Plain end conduit may be available on request.

Available in 20 foot lengths. 10 foot lengths may be available.

For direct earth burial and concrete encasement.

Specifically designed for power utility specifications.

Non UL or NSF Listed.

ELECTRICAL CONDUIT

SUBMITTAL AND DATA SHEET

“GAS SLEEVE” PIPE

SCHEDULE 40

NOM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. WEIGHT (LBS/FT)
1	1.315	1.03	0.133	0.35
1 - 1/2	1.900	1.59	0.145	0.57
2	2.375	2.05	0.154	0.77
3	3.500	3.04	0.216	1.59
4	4.500	4.00	0.237	2.27
6	6.625	6.03	0.280	3.99
8	8.625	7.94	0.322	6.01
10	10.750	9.98	0.365	8.51
12	12.750	11.89	0.406	11.26

SCHEDULE 26

NOM. PIPE SIZE (IN)	O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. WEIGHT (LBS/FT)
1 - 1/4	1.660	1.52	0.064	0.23
1 - 1/2	1.900	1.75	0.073	0.30
2	2.375	2.18	0.091	0.47
3	3.500	3.21	0.135	1.02
4	4.500	4.13	0.173	1.68
6	6.625	6.08	0.255	3.65
8	8.625	7.92	0.332	6.18
10	10.750	9.87	0.413	9.59
12	12.750	11.71	0.490	13.49

Pipe color is yellow.

Pipe is produced with integral solvent weld bells.

Available in 20 foot lengths. 10 foot lengths may be available.

The function of the pipe is a sleeve pipe. No pressure rating implied.

The PVC “Gas Sleeve” pipe shall not be used for transmission of natural gas.

This data sheet does not purport to address all the safety problems associated with its use.

It is the responsibility of whoever uses the gas sleeve to consult and establish safety and health practices and to determine the applicability of regulatory limitations prior to use.