



ELECTRICAL CONDUIT AND DUCT

MEETS ANSI/UL 651 AND NEMA TC-2, ASTM F512 AND NEMA TC-6 & 8.



APPLICATIONS

JM Eagle Electrical Conduit and Power Duct products are suitable for power, telephone and other electrical systems.

DESCRIPTION

JM Eagle offers a complete line of Electrical Conduit and Power Duct pipe that includes Schedule 40 and 80 Conduit (NEMA TC-2, ANSI/UL651), Encased and Direct Burial Conduit (ASTM F512, NEMA TC-6 & 8; and/or ANSI/UL 651A), and Type C Telephone Duct.

The products may be used for above-ground and underground installations, concrete encasements, and direct burials, as well as telephone applications.

They are available in ½- to 6-inch diameters, in 10- and/or 20-foot lengths, with one bell end, and come in gray.

The solvent-weld joints are designed to provide a rigid (or restrained) joint connection, and the schedule-rated products are specifically engineered for use in partial support systems above ground.

A complete line of Schedule 40 and 80, utility duct and junction box fittings complements the conduit products.

BENEFITS

JM Eagle Electrical Conduit and Power Duct products are light-weight, cost-effective and long-lasting.

- They can be field-cut with a power saw or ordinary handsaw without the use of expensive or complicated machinery.
- Easy to load, transport and handle, installers prefer them because they go into the ground quickly, saving installation costs.
- They maintain performance against external galvanic soil conditions without lining wrapping, coating or cathodic protection, and offer superior dielectric strength.
- They are rated for use with 90-degree C conductors, and come with UV protection.



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SUBMITTAL AND DATA SHEET

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

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.

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.

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

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

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.

TYPE EB20* ::

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

* 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