



OVERVIEW

SHDPE duct is used where additional physical and corrosive protection is required for cable in direct buried applications. SHDPE duct is used for highway lighting, airport lighting, parking lots, sports complexes, communication systems and utility applications and can house power, telephone, fiber and CATV cables. It is shipped with sealed ends to prevent entry of moisture and other contaminants.

Power Duct can be supplied empty, with a pull line, or with cables preinstalled. Conductors available include THHN / THWN-2, RHH / RHW / USE-2, XHHW-2, RHH / RHW / USE-2, L-824 Type B or C airport lighting cable, fiber optic cable, twisted pair and coaxial communication cables, aluminum conductors and medium voltage cables

SPECIFICATIONS / RATINGS

- ASTM D3485 – Standard specification for smooth wall coilable polyethylene (PE) conduit (duct) for pre-assembled wire and cable
- SHDPE meets the requirements (Class C, Grade PE33) of ASTM D3350 – Standard specification for polyethylene plastics pipe and fittings material

Size		Average Inner Diameter		Minimum Wall Thickness		Nominal Outside Diameter		Weight		Minimum Inside Diameter		Bend Radius	
Inches	mm	Inches	mm	Inches	mm	inches	mm	lb/ft	kg/m	inches	mm	Inches	mm

EPEC-B/SDR 13.5

0.75	19.1	0.696	17.678	0.062	1.575	0.840	21.336	0.110	0.164	0.676	17170	8	203.2
1	25.4	1.101	27.965	0.097	2.464	1.315	33.401	0.167	0.248	1.081	27.457	13	330.2
1.25	31.8	1.394	35.408	0.123	3.124	1.660	42.164	0.263	0.391	1.374	34.900	17	431.8
1.5	38.1	1.598	40.589	0.141	3.581	1.900	48.260	0.342	0.509	1.578	40.081	19	482.6
2	50.8	2.002	50.851	0.176	4.470	2.375	60.325	0.528	0.786	1.981	50.317	24	609.6
2.5	63.5	2.423	61.544	0.213	5.410	2.875	73.025	0.775	1.153	2.397	60.884	29	736.6
3	76.2	2.951	74.955	0.259	6.579	3.500	88.900	1.146	1.705	2.920	74.168	39	990.6

TC7

0.75	19.1	0.906	23.012	0.062	1.575	1.050	26.670	0.084	0.125	0.886	22.504	10	254
1	25.4	1.141	28.981	0.077	1.956	1.315	33.401	0.138	0.205	1.121	28.473	13	330.2
1.25	31.8	1.444	36.678	0.098	2.489	1.660	42.164	0.217	0.323	1.424	36.170	17	431.8
1.5	38.1	1.656	42.062	0.112	2.845	1.990	50.546	0.281	0.418	1.636	41.554	19	482.6
2	50.8	2.075	52.705	0.140	3.556	2.375	60.325	0.432	0.643	2.055	52.197	24	609.6
2.5	63.5	2.517	63.932	0.169	4.293	2.875	73.025	0.625	0.930	2.497	63.424	29	736.6
3	76.2	3.063	77.800	0.206	5.232	3.500	88.900	0.928	1.381	3.038	77.165	39	990.6

EPEC-40/SCH 40

0.75	19.1	0.804	20.422	0.113	2.870	1.050	26.670	0.148	0.220	0.784	19.914	10	254
1	25.4	1.029	26.137	0.133	3.378	1.315	33.401	0.217	0.323	1.009	25.629	13	330.2
1.25	31.8	1.360	34.544	0.140	3.556	1.660	42.164	0.293	0.436	1.340	34.036	17	431.8
1.5	38.1	1.590	40.386	0.145	3.683	1.900	48.260	0.35	0.521	1.570	39.878	19	482.6
2	50.8	2.047	51.994	0.154	3.912	2.375	60.325	0.469	0.698	2.027	51.486	24	609.6
2.5	63.5	2.445	62.103	0.203	5.156	2.875	73.025	0.74	1.101	2.421	61.493	29	736.6
3	76.2	3.042	77.267	0.216	5.486	3.500	88.900	0.969	1.442	3.016	76.606	39	990.6

EPEC-80/SCH 80

0.75	19.1	0.722	18.339	0.154	3.912	1.050	26.670	0.188	0.280	0.702	17.831	10	254
1	25.4	0.936	23.774	0.179	4.547	1.315	33.401	0.276	0.411	0.915	23.241	13	330.2
1.25	31.8	1.255	31.877	0.191	4.851	1.660	42.164	0.382	0.568	1.232	31.293	17	431.8
1.5	38.1	1.476	37.490	0.200	5.080	1.900	48.260	0.463	0.689	1.452	36.881	19	482.6
2	50.8	1.913	48.590	0.218	5.537	2.375	60.325	0.641	0.954	1.887	47.930	24	609.6
2.5	63.5	2.290	58.166	0.276	7.010	2.875	73.025	0.978	1.455	2.257	57.328	29	736.6
3	76.2	2.864	72.746	0.300	7.620	3.500	88.900	1.31	1.949	2.828	71.831	39	990.6