SMOOTH CONDUIT

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- HDPE conduit
- Available as Schedule 40, Schedule 80, SDR 11, and SDR 13.5
- Material meets or exceeds the requirements in ASTM D3350 for Class PE435540C (Black) or "E" (colors with UV Stabilizers).

APPLICATIONS AND FEATURES:

Commonly installed from transformer to transformer or as underground cables exiting substations

SPECIFICATIONS:

- ASTM D3350 Standard Specification for Polyethylene Plastics Pipe and Fittings Materials
- ASTM D3485 Standard Specification for Coilable High Density Polyethylene (HDPE) Cable in Conduit (CIC)
- ASTM F2160 Standard Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD)
- UL 651: Meets or exceeds Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
- UL 1990 Standard for Nonmetallic Underground Conduit with Conductors
- CSA *CSA marking is available upon request*
- NEMA TC-7 Smooth-Wall Coilable Electrical Polyethylene Conduit

EPEC 40 (Schedule 40)

NOMINAL SIZE	NOMINAL OUTSIDE DIAMETER	MINIMUM WALL THICKNESS	NOMINAL INSIDE DIAMETER	MINIMUM BENDING RADIUS	MAXIMUM PULLING TENSION	WEIGHT
inch	inch	inch	inch	inch	lbs	lbs/1000′
0.75	1.05	0.113	0.804	12	710	149
1	1.315	0.133	1.029	14	1050	219
1.25	1.66	0.14	1.36	18	1420	297
1.5	1.9	0.145	1.59	21	1700	354
2	2.375	0.154	2.047	26	2280	475
2.5	2.875	0.203	2.445	32	3615	749
3	3.5	0.216	3.042	39	4740	981
4	4.5	0.237	3.998	50	6745	1396

EPEC 80 (Schedule 80)

NOMINAL SIZE	NOMINAL OUTSIDE DIAMETER	MINIMUM WALL THICKNESS	NOMINAL INSIDE DIAMETER	MINIMUM BENDING RADIUS	MAXIMUM PULLING TENSION	WEIGHT
inch	inch	inch	inch	inch	lbs	lbs/1000'
0.75	1.05	0.154	0.722	12	920	190
1	1.315	0.179	0.936	14	1360	279
1.25	1.66	0.191	1.255	18	1870	386
1.5	1.9	0.2	1.476	21	2275	468
2	2.375	0.218	1.913	26	3145	648
2.5	2.875	0.276	2.29	32	4780	989
3	3.5	0.3	2.864	39	6420	1325
4	4.5	0.337	3.786	50	9365	1936

EPEC 11 (SDR 11)

NOMINAL SIZE	NOMINAL OUTSIDE DIAMETER	MINIMUM WALL THICKNESS	NOMINAL INSIDE DIAMETER	MINIMUM BENDING RADIUS	MAXIMUM PULLING TENSION	WEIGHT
inch	inch	inch	inch	inch	lbs	lbs/1000'
0.75	1.05	0.095	0.84	12	605	130
1	1.315	0.12	1.055	14	960	202
1.25	1.66	0.151	1.338	18	1520	316
1.5	1.9	0.173	1.533	21	1995	412
2	2.375	0.216	1.917	26	3125	643
2.5	2.875	0.261	2.322	32	4550	941
3	3.5	0.318	2.826	39	6760	1395
4	4.5	0.409	3.633	50	11170	2308

EPEC 13.5 (SDR 13.5)

NOMINAL SIZE	NOMINAL OUTSIDE	MINIMUM WALL THICKNESS	NOMINAL INSIDE DIAMETER	MINIMUM BENDING RADIUS	MAXIMUM PULLING TENSION	WEIGHT
inch	inch	inch	inch	inch	lbs	lbs/1000'
0.75	1.05	0.078	0.874	12	505	111
1	1.315	0.097	1.101	14	790	169
1.25	1.66	0.123	1.394	18	1260	266
1.5	1.9	0.141	1.598	21	1655	346
2	2.375	0.176	2.002	26	2585	534
2.5	2.875	0.213	2.423	32	3785	784
3	3.5	0.259	2.951	39	5610	1159
4	4.5	0.333	3.794	50	9265	1916

Options

- Available in sizes 3/4" through 4"
- Smooth
- Smooth with pull tape
- Available with UL markings on 3/4" through 4" Schedule 40 & 80 conduit
- Color options: black, red, orange, gray. Striping is also available.
- Available with pull tape pre-installed to eliminate the time and labor of having to install it in the field.

Color Options

Conduit	Fiber Optic Cable	Colors	orange
	CATV/Telephone		orange
	Electric		black , gray , red

Other Properties

Property	Test Method	Value
Density	D4883	.953 g/cc
Melt Index	D1238	.25 g/10 min
Flexural Modulus	D790	168,000 psi
Tensile Strength	D638	3900 yield @ 2 in/min
SP-NCLS ESCR	F2136	>1000 hrs
Hydrostatic Design Basis	D2837	N/A