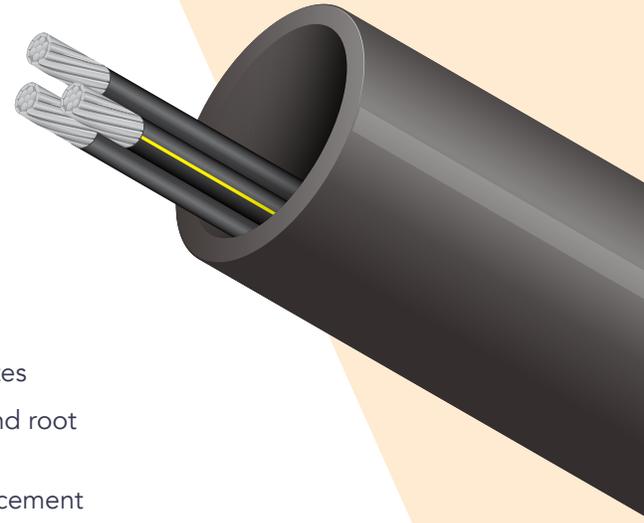


SPECIALTY

CABLE-IN-CONDUIT NEMA TC7



- ▶ Available in ranges 1/2" to 3" diameters
- ▶ Manufactured from flexible HDPE, makes gradual bends without special equipment
- ▶ Continuous lengths reduce joining costs
- ▶ Excellent low-temperature properties, allows installation in cold climates
- ▶ Outstanding long-term cable protection from shifting ground, rock, and root impingement
- ▶ Provides a permanent pathway, simplifies future cable repairs or replacement

INSTALLATION TYPES

Overrides
Plow
Direct Burial
Directional Bore

SIZE RANGE

1/2"	1 1/2"
3/4"	2"
1"	2 1/2"
1 1/4"	3"

WALL TYPES

EPEC-11 (SDR 11)
EPEC-13.5 (SDR 13.5)
EPEC-15.5 (SDR 15.5)
EPEC-17 (SDR 17)
EPEC-40 (SCH 40)
EPEC-80 (SCH 80)

COLORS



FEATURES

STANDARD

MATERIAL Manufactured from flexible HDPE (High Density Polyethylene)

SPECIFICATIONS All Smoothwall conduit dimensions meet or exceed one or more of the following: ASTM F-2160, ASTM D-3350, ASTM D-3485, NEMA TC-7, UL 651A, UL 1990, Bellcore GR-356

CONDUIT MARKINGS Permanent marking along conduit includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

OPTIONS

PRE-INSTALLED CABLE Single or multiple cables may be pre-installed. Typical cable components are: Service Drops, Fiber, Coaxial, 600 Volt Al, 600 Volt Cu, Medium Voltage. Custom options available.

UV PROTECTION Standard UV colorants for additional outdoor protection prior to underground installation.

SMOOTHWALL TECHNICAL SPECIFICATIONS

WALL TYPE		NOM OD (IN)	OD TOLERANCE +/-	MIN WALL (IN)	WALL TOLERANCE +	AVG ID (IN)	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
1/2"	EPEC-13.5 (SDR 13.5)	0.840	0.004	0.062	0.020	0.696	0.676	0.072	8	16	365
	EPEC-15.5 (SDR 15.5)	0.840	0.004	0.062	0.020	0.698	0.680	0.071	8	16	386
	EPEC-17 (SDR 17)	0.840	0.004	0.062	0.018	0.698	0.680	0.071	8	16	386
	EPEC-40 (SCH 40)	0.840	0.004	0.109	0.031	0.602	0.582	0.111	8	16	601
	EPEC-80 (SCH 80)	0.840	0.004	0.147	0.020	0.526	0.506	0.139	8	16	768
3/4"	EPEC-13.5 (SDR 13.5)	1.050	0.005	0.078	0.020	0.874	0.854	0.110	10	20	570
	EPEC-15.5 (SDR 15.5)	1.050	0.005	0.068	0.020	0.894	0.874	0.098	10	20	536
	EPEC-17 (SDR 17)	1.050	0.005	0.062	0.020	0.906	0.886	0.084	10	20	460
	EPEC-40 (SCH 40)	1.050	0.005	0.113	0.020	0.804	0.784	0.148	10	20	798
	EPEC-80 (SCH 80)	1.050	0.005	0.154	0.020	0.722	0.702	0.188	10	20	1,040
1"	EPEC-13.5 (SDR 13.5)	1.315	0.007	0.097	0.020	1.101	1.081	0.167	13	26	894
	EPEC-15.5 (SDR 15.5)	1.315	0.007	0.084	0.020	1.127	1.107	0.149	13	26	811
	EPEC-17 (SDR 17)	1.315	0.007	0.077	0.020	1.141	1.121	0.138	13	26	722
	EPEC-40 (SCH 40)	1.315	0.007	0.133	0.020	1.029	1.009	0.217	13	26	1,340
	EPEC-80 (SCH 80)	1.315	0.007	0.179	0.021	0.936	0.915	0.276	13	26	1,533
1 1/4"	EPEC-13.5 (SDR 13.5)	1.660	0.008	0.123	0.020	1.394	1.374	0.263	17	34	1,425
	EPEC-15.5 (SDR 15.5)	1.660	0.008	0.107	0.020	1.426	1.406	0.234	17	34	1,276
	EPEC-17 (SDR 17)	1.660	0.008	0.098	0.020	1.440	1.424	0.217	17	34	1,150
	EPEC-40 (SCH 40)	1.660	0.008	0.140	0.020	1.360	1.340	0.293	17	34	1,604
	EPEC-80 (SCH 80)	1.660	0.008	0.191	0.023	1.255	1.232	0.382	17	34	2,116
1 1/2"	EPEC-13.5 (SDR 13.5)	1.900	0.010	0.141	0.020	1.598	1.578	0.342	19	38	1,867
	EPEC-15.5 (SDR 15.5)	1.900	0.010	0.123	0.020	1.634	1.614	0.304	19	38	1,661
	EPEC-17 (SDR 17)	1.900	0.010	0.112	0.020	1.656	1.636	0.281	19	38	1,507
	EPEC-40 (SCH 40)	1.900	0.010	0.145	0.020	1.590	1.570	0.350	19	38	1,919
	EPEC-80 (SCH 80)	1.900	0.010	0.200	0.024	1.476	1.452	0.463	19	38	2,564
2"	EPEC-13.5 (SDR 13.5)	2.375	0.012	0.176	0.021	2.002	1.981	0.528	24	48	2,917
	EPEC-15.5 (SDR 15.5)	2.375	0.012	0.153	0.020	2.049	2.029	0.467	24	48	2,549
	EPEC-17 (SDR 17)	2.375	0.012	0.140	0.020	2.075	2.055	0.432	24	48	2,355
	EPEC-40 (SCH 40)	2.375	0.012	0.154	0.020	2.047	2.027	0.469	24	48	2,579
	EPEC-80 (SCH 80)	2.375	0.012	0.218	0.026	1.913	1.887	0.641	24	48	2,545

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

† Safe working pull strength is calculated at 80% of tensile or breaking strength

SMOOTHWALL TECHNICAL SPECIFICATIONS

WALL TYPE		NOM OD (IN)	OD TOLERANCE +/-	MIN WALL (IN)	WALL TOLERANCE +	AVG ID (IN)	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
2 1/2"	EPEC-13.5 (SDR 13.5)	2.875	0.014	0.213	0.026	2.423	2.397	0.775	29	58	4,274
	EPEC-15.5 (SDR 15.5)	2.875	0.014	0.185	0.022	2.483	2.461	0.680	29	58	3,712
	EPEC-17 (SDR 17)	2.875	0.014	0.169	0.020	2.517	2.497	0.625	29	58	3,450
	EPEC-40 (SCH 40)	2.875	0.014	0.203	0.024	2.445	2.421	0.740	29	58	4,090
	EPEC-80 (SCH 80)	2.875	0.014	0.276	0.033	2.290	2.257	0.978	29	58	5,409
3"	EPEC-11 (SDR 11)	3.500	0.008	0.318	0.038	2.826	2.788	1.380	39	78	7,535
	EPEC-13.5 (SDR 13.5)	3.500	0.008	0.259	0.031	2.951	2.920	1.146	39	78	6,335
	EPEC-15.5 (SDR 15.5)	3.500	0.008	0.226	0.027	3.021	2.994	1.011	39	78	5,520
	EPEC-40 (SCH 40)	3.500	0.008	0.216	0.026	3.042	3.016	0.969	39	78	5,348
	EPEC-80 (SCH 80)	3.500	0.008	0.300	0.036	2.864	2.828	1.310	39	78	7,238

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