

## SPECIALTY

# CABLE-IN-CONDUIT NEMA TC7

- CableCon (Cable-in-Conduit) is available in ranges 1/2" to 6" 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
- Available with UV protectant for aerial/lashed placement
- Provides a permanent pathway, simplifies future cable repairs or replacement

### INSTALLATION TYPES

Aerial  
Overrides  
Plow  
Direct Burial  
Directional Bore

### SIZE RANGE

0.50" 2.50"  
0.75" 3.00"  
1.00" 4.00"  
1.25" 5.00"  
1.50" 6.00"  
2.00"

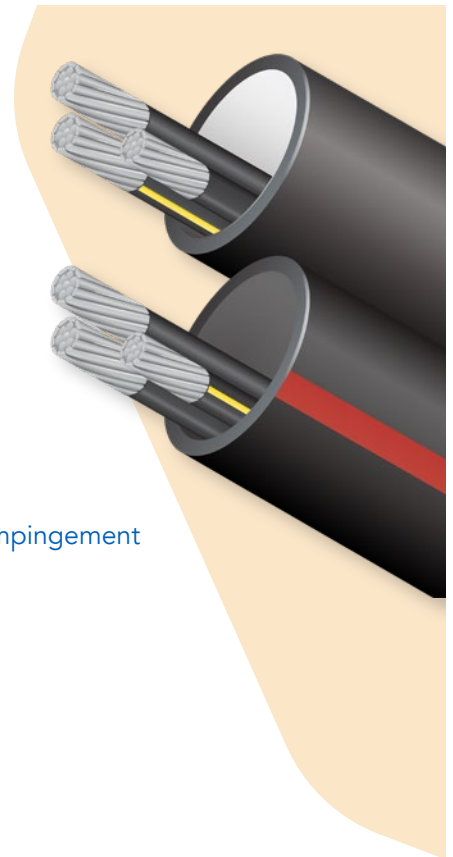
### WALL TYPES

EPEC-A/SDR 17  
EPEC-B/SDR 13.5  
EPEC-40/SCH 40  
EPEC-80/SCH 80

### COLORS



Custom Colors Available



## FEATURES

### STANDARD

**FOOTAGE MARKINGS** Sequential foot or meter markings. Custom print streams available.

**SPECIFICATIONS** All Smoothwall conduit dimensions meets or exceeds one or more of the following: ASTM F-2160, ASTM D-3350, ASTM D-2239, ASTM D-3485, NEMA TC-7, UL 651A, UL 1990, Bellcore GR-356.

### OPTIONS

**SILICORE® ULF** (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. With a coefficient of friction 60% lower than standard HDPE conduit without the aid of wet lubricants, SILICORE ULF exhibits no loss in performance over time or in extreme temperature conditions.

**PREINSTALLED TAPE** Factory pre-installed Bull-Line™ Pull Tape with EVEN-LOAD™, ensures extra slack at any access point throughout the reel. Available 500lb - 6,000lb tensile strength or locatable.

**PREINSTALLED CABLE OPTIONS** 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 PROTECTANT** available for aerial/lashed placement

## 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 (LBS)
1/2"	EPEC-A/SDR 17	-	-	-	-	-	-	-	-	-	-
	EPEC-B/SDR 13.5	0.840	0.004	0.062	0.020	0.696	0.676	0.072	8	16	365
	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-A/SDR 17	1.050	0.005	0.062	0.020	0.906	0.886	0.084	10	20	460
	EPEC-B/SDR 13.5	1.050	0.005	0.078	0.020	0.874	0.854	0.110	10	20	570
	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-A/SDR 17	1.315	0.007	0.077	0.020	1.141	1.121	0.138	13	26	722
	EPEC-B/SDR 13.5	1.315	0.007	0.097	0.020	1.101	1.081	0.167	13	26	894
	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-A/SDR 17	1.660	0.008	0.098	0.020	1.440	1.424	0.217	17	34	1,150
	EPEC-B/SDR 13.5	1.660	0.008	0.123	0.020	1.394	1.374	0.263	17	34	1,425
	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-A/SDR 17	1.900	0.010	0.112	0.020	1.656	1.636	0.281	19	38	1,507
	EPEC-B/SDR 13.5	1.900	0.010	0.141	0.020	1.598	1.578	0.342	19	38	1,867
	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-A/SDR 17	2.375	0.012	0.140	0.020	2.075	2.055	0.432	24	48	2,355
	EPEC-B/SDR 13.5	2.375	0.012	0.176	0.021	2.002	1.981	0.528	24	48	2,917
	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
2 1/2"	EPEC-A/SDR 17	2.875	0.014	0.169	0.020	2.517	2.497	0.625	29	58	3,450
	EPEC-B/SDR 13.5	2.875	0.014	0.213	0.026	2.423	2.397	0.775	29	58	4,274
	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

\* 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)
3"	EPEC-A/SDR 17	3.500	0.018	0.206	0.025	3.063	3.038	0.928	39	78	5,114
	EPEC-B/SDR 13.5	3.500	0.018	0.259	0.031	2.951	2.920	1.146	39	78	6,335
	EPEC-40/SCH 40	3.500	0.018	0.216	0.026	3.042	3.016	0.969	39	78	5,348
	EPEC-80/SCH 80	3.500	0.018	0.300	0.036	2.864	2.828	1.310	39	78	7,238
4"	EPEC-A/SDR 17	4.500	0.023	0.265	0.032	3.938	3.906	1.534	50	100	8,453
	EPEC-B/SDR 13.5	4.500	0.023	0.333	0.040	3.794	3.754	1.895	50	100	10,472
	EPEC-40/SCH 40	4.500	0.023	0.237	0.028	3.998	3.970	1.380	50	100	7,618
	EPEC-80/SCH 80	4.500	0.023	0.337	0.040	3.786	3.746	1.914	50	100	10,578
5"	EPEC-A/SDR 17	5.563	0.028	0.327	0.039	4.870	4.831	2.339	61	122	12,918
	EPEC-B/SDR 13.5	5.563	0.028	0.412	0.049	4.690	4.641	2.896	61	122	16,004
	EPEC-40/SCH 40	5.563	0.028	0.258	0.031	5.016	4.985	1.872	61	122	10,320
	EPEC-80/SCH 80	5.563	0.028	0.375	0.045	4.768	4.723	2.657	61	122	14,669
6"	EPEC-A/SDR 17	6.625	0.033	0.390	0.047	5.798	5.751	3.324	73	146	18,321
	EPEC-B/SDR 13.5	6.625	0.033	0.491	0.059	5.584	5.525	4.112	73	146	22,697
	EPEC-40/SCH 40	6.625	0.033	0.280	0.034	6.031	5.997	2.432	73	146	13,395
	EPEC-80/SCH 80	6.625	0.033	0.432	0.052	5.709	5.657	3.656	73	146	20,172

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