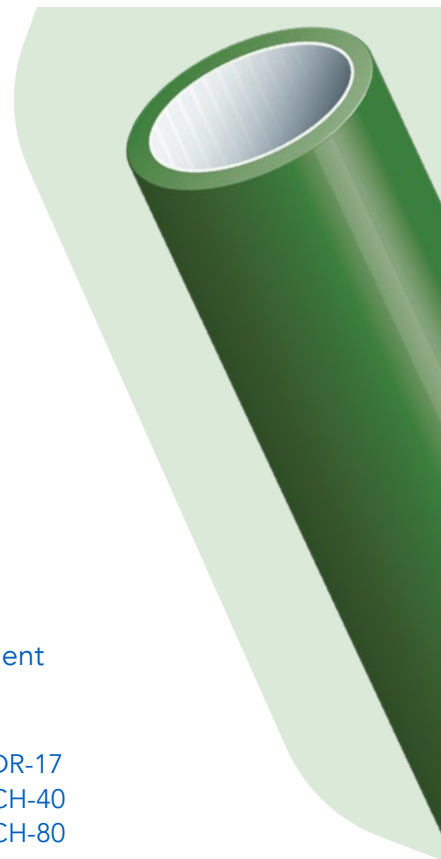


## STANDARD

# SMOOTH OUT/ RIBBED IN

- Manufactured from flexible HDPE, makes gradual bends without special equipment
- Internal longitudinal ribbing reduces friction during cable placement
- 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

Existing Conduit  
Plow  
Directional Bore  
Aerial

### SIZE RANGE AVAILABLE

1.0"	2.0"	4.0"
1.25"	2.5"	5.0"
1.5"	3.0"	6.0"

### WALL TYPES

SDR-9	SDR-17
SDR-11	SCH-40
SDR-13.5	SCH-80

### STANDARD COLORS



custom colors available

## FEATURES

### STANDARD

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

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

**INTERNAL RIBS** Internal straight ribs greatly reduce friction for longer, faster pulls

### OPTIONS

**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.

**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.

**EXTERNAL STRIPES** can be added from our standard color offering to facilitate visual identification.

**UV PROTECTANT** available for aerial/lashed placement

## SMOOTH OUT/RIBBED IN SPECS (SDR) TECHNICAL SPECIFICATIONS

PIPE SIZE		1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"
WALL TYPE	NOM OD (IN)	1.315	1.660	1.900	2.375	2.875	3.500	4.500	5.563	6.625
	OD TOLERANCE +/-	0.007	0.008	0.010	0.012	0.014	0.018	0.023	0.028	0.033
	BEND RADIUS (IN) SUPPORTED	13	17	19	24	29	39	50	61	73
	BEND RADIUS (IN) UNSUPPORTED	26	34	38	48	58	78	100	122	146
SDR-9	MIN. WALL (IN)	0.146	0.184	0.211	0.264	0.319	0.389	0.500	0.618	0.736
	WALL TOLERANCE +	0.020	0.022	0.025	0.032	0.038	0.047	0.060	0.074	0.088
	AVG ID (IN)	0.963	1.230	1.413	1.775	2.159	2.635	3.400	4.213	5.025
	MIN ID (IN)	0.943	1.208	1.388	1.743	2.121	2.588	3.340	4.139	4.937
	WEIGHT (#/FT)	0.234	0.370	0.485	0.759	1.110	1.648	2.723	4.161	5.901
	SWPS (LBS)	1,288	2,052	2,688	4,200	6,155	9,122	15,080	23,045	32,684
SDR-11	MIN. WALL (IN)	0.120	0.151	0.173	0.216	0.261	0.318	0.409	0.506	0.602
	WALL TOLERANCE +	0.020	0.020	0.021	0.026	0.031	0.038	0.049	0.061	0.072
	AVG ID (IN)	1.015	1.298	1.493	1.877	2.282	2.786	3.593	4.450	5.309
	MIN ID (IN)	0.995	1.278	1.472	1.851	2.251	2.748	3.544	4.389	5.237
	WEIGHT (#/FT)	0.199	0.312	0.408	0.636	0.930	1.380	2.282	3.490	4.944
	SWPS (LBS)	1,078	1,717	2,249	3,515	5,151	7,633	12,618	19,284	27,349
SDR-13.5	MIN. WALL (IN)	0.097	0.123	0.141	0.176	0.213	0.259	0.333	0.412	0.491
	WALL TOLERANCE +	0.020	0.020	0.020	0.021	0.026	0.031	0.040	0.049	0.059
	AVG ID (IN)	1.061	1.354	1.558	1.962	2.383	2.911	3.754	4.650	5.544
	MIN ID (IN)	1.041	1.334	1.538	1.941	2.357	2.880	3.714	4.601	5.485
	WEIGHT (#/FT)	0.167	0.263	0.342	0.528	0.775	1.146	1.895	2.896	4.112
	SWPS (LBS)	894	1,425	1,867	2,917	4,274	6,335	10,472	16,004	22,697
SDR-15.5	MIN. WALL (IN)	0.084	0.107	0.123	0.153	0.185	0.226	0.290	0.359	0.427
	WALL TOLERANCE +	0.020	0.020	0.020	0.020	0.022	0.027	0.035	0.043	0.051
	AVG ID (IN)	1.087	1.386	1.594	2.009	2.443	2.981	3.845	4.762	5.680
	MIN ID (IN)	1.067	1.366	1.574	1.989	2.421	2.954	3.810	4.719	5.629
	WEIGHT (#/FT)	0.149	0.234	0.304	0.467	0.680	1.011	1.669	2.552	3.615
	SWPS (LBS)	792	1,234	1,607	2,466	3,592	5,342	8,814	13,483	19,123
SDR-17	MIN. WALL (IN)	0.077	0.098	0.112	0.140	0.169	0.206	0.265	0.327	0.390
	WALL TOLERANCE +	0.020	0.020	0.020	0.020	0.020	0.025	0.032	0.039	0.047
	AVG ID (IN)	1.101	1.404	1.616	2.035	2.477	3.023	3.898	4.830	5.758
	MIN ID (IN)	1.081	1.384	1.596	2.015	2.457	2.998	3.866	4.791	5.711
	WEIGHT (#/FT)	0.138	0.217	0.281	0.432	0.625	0.928	1.534	2.339	3.324
	SWPS (LBS)	722	1,150	1,507	2,355	3,450	5,114	8,453	12,918	18,321

## SMOOTH OUT/RIBBED IN SPECS (SCH) TECHNICAL SPECIFICATIONS

PIPE SIZE		1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"
WALL TYPE	NOM OD (IN)	1.315	1.660	1.900	2.375	2.875	3.500	4.500	5.563	6.625
	OD TOLERANCE +/-	0.007	0.008	0.010	0.012	0.014	0.018	0.023	0.028	0.033
	BEND RADIUS (IN) SUPPORTED	13	17	19	24	29	39	50	61	73
	BEND RADIUS (IN) UNSUPPORTED	26	34	38	48	58	78	100	122	146
SCH-40	MIN. WALL (IN)	0.133	0.140	0.145	0.154	0.203	0.216	0.237	0.258	0.280
	WALL TOLERANCE +	0.020	0.020	0.020	0.020	0.024	0.026	0.028	0.031	0.034
	AVG ID (IN)	0.989	1.320	1.550	2.007	2.405	3.002	3.958	4.976	5.991
	MIN ID (IN)	0.969	1.300	1.530	1.987	2.381	2.976	3.930	4.945	5.957
	WEIGHT (#/FT)	0.217	0.293	0.350	0.469	0.740	0.969	1.380	1.872	2.432
	SWPS (LBS)	1,340	1,604	1,919	2,579	4,090	5,348	7,618	10,320	13,395
SCH-80	MIN. WALL (IN)	0.179	0.191	0.200	0.218	0.276	0.300	0.337	0.375	0.432
	WALL TOLERANCE +	0.021	0.023	0.024	0.026	0.033	0.036	0.040	0.045	0.052
	AVG ID (IN)	0.896	1.215	1.436	1.873	2.250	2.824	3.746	4.728	5.669
	MIN ID (IN)	0.875	1.192	1.412	1.847	2.217	2.788	3.706	4.683	5.617
	WEIGHT (#/FT)	0.276	0.382	0.463	0.641	0.978	1.310	1.914	2.657	3.656
	SWPS (LBS)	1,533	2,116	2,564	2,545	5,409	7,238	10,578	14,669	20,172

### SMOOTH OUT/RIBBED IN NOTES:

- Bend Radius*

½" through 2 ½"    Supported Bend Radius 10 times the OD            Unsupported Bend Radius 20 times the OD

3" through 6"        Supported Bend Radius 11 times the OD            Unsupported Bend Radius 22 times the OD
- During cable placement, large sweeping bends are recommended over tighter bends. Pre-formed sweeps are recommended for conduit sizes 8" through 16" diameters.*
- SWPS (Safe Working Pull Strength) is calculated using a 25% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and average wall thickness.*
- Average internal rib height is 0.020" in addition to the MIN and AVG ID's and have been calculated in the listed values.*
- Add 0.016 #/ft for ribbed products 1 1/2" and less. For ribbed products 2" and larger, add 0.025 #/ft.*