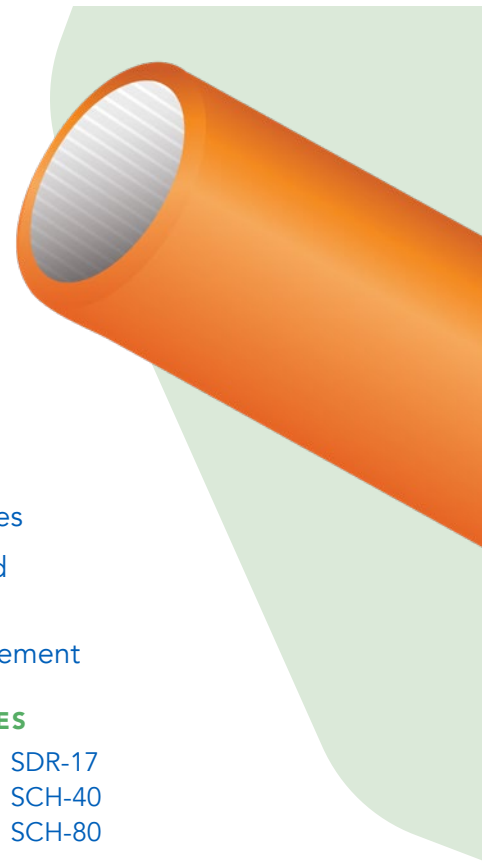


STANDARD

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 is co-extruded with the tough HDPE jacket creating a super, slick permanent lining. SILICORE lined ducts allow for higher speed cable jetting and longer cable pulls.

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

UV PROTECTANT available for aerial/lashed placement



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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 |



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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.*



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