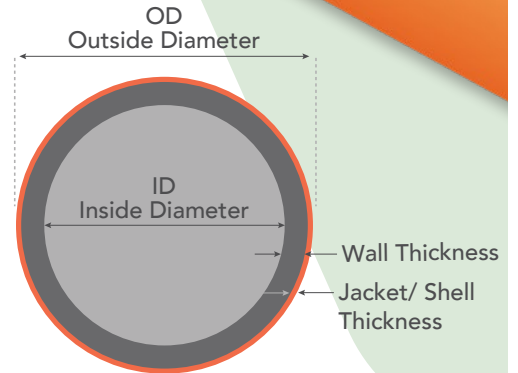


STANDARD

CO-EXTRUDED DUCT

- Outer color layer utilizes color coding to provide visual utility or end use conduit identification
- Color layer provides a full exterior color appearance and is made from same HDPE as inner wall, performance properties are unaffected
- Color fastness and UV protection performance for co-extruded conduit is equal to full wall colors and is suitable for storage outdoors for up to one year
- Total wall thickness = inner black wall thickness + external color layer thickness
- The black inner wall has a minimum of 2% carbon black per condition C of ASTM D 3350
- Co-extruded color layer has UV stabilizers and antioxidants per condition E of ASTM D 3350



INSTALLATION TYPES

Existing Conduit
Plow
Directional Bore

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
SDR-15.5	

STANDARD COLORS



FEATURES

STANDARD

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

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

REEL Delivers on standard reel sizes

CONDUIT DIMENSIONS meet or exceed the requirements of ASTM F 2160 for the wall type selected

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.



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COEXTRUDED (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	3.5	4.5	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	0.5	0.618	0.736
	WALL TOLERANCE +	0.02	0.022	0.025	0.032	0.038	0.047	0.06	0.074	0.088
	AVG ID (IN)	1.003	1.27	1.453	1.815	2.199	2.675	3.44	4.253	5.065
	MIN ID (IN)	0.983	1.248	1.428	1.783	2.161	2.628	3.38	4.179	4.977
	WEIGHT (#/FT)	0.234	0.37	0.485	0.759	1.11	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)	0.12	0.151	0.173	0.216	0.261	0.318	0.409	0.506	0.602
	WALL TOLERANCE +	0.02	0.02	0.021	0.026	0.031	0.038	0.049	0.061	0.072
	AVG ID (IN)	1.055	1.338	1.533	1.917	2.322	2.826	3.633	4.49	5.349
	MIN ID (IN)	1.035	1.318	1.512	1.891	2.291	2.788	3.584	4.429	5.277
	WEIGHT (#/FT)	0.199	0.312	0.408	0.636	0.93	1.38	2.282	3.49	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 +	0.02	0.02	0.02	0.021	0.026	0.031	0.04	0.049	0.059
	AVG ID (IN)	1.101	1.394	1.598	2.002	2.423	2.951	3.794	4.69	5.584
	MIN ID (IN)	1.081	1.374	1.578	1.981	2.397	2.92	3.754	4.641	5.525
	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	0.29	0.359	0.427
	WALL TOLERANCE +	0.02	0.02	0.02	0.02	0.022	0.027	0.035	0.043	0.051
	AVG ID (IN)	1.127	1.426	1.634	2.049	2.483	3.021	3.885	4.802	5.72
	MIN ID (IN)	1.107	1.406	1.614	2.029	2.461	2.994	3.85	4.759	5.669
	WEIGHT (#/FT)	0.149	0.234	0.304	0.467	0.68	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	0.14	0.169	0.206	0.265	0.327	0.39
	WALL TOLERANCE +	0.02	0.02	0.02	0.02	0.02	0.025	0.032	0.039	0.047
	AVG ID (IN)	1.141	1.444	1.656	2.075	2.517	3.063	3.938	4.87	5.798
	MIN ID (IN)	1.121	1.424	1.636	2.055	2.497	3.038	3.906	4.831	5.751
	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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COEXTRUDED (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	3.5	4.5	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)	0.133	0.14	0.145	0.154	0.203	0.216	0.237	0.258	0.28
	WALL TOLERANCE +	0.02	0.02	0.02	0.02	0.024	0.026	0.028	0.031	0.034
	AVG ID (IN)	1.029	1.36	1.59	2.047	2.445	3.042	3.998	5.016	6.031
	MIN ID (IN)	1.009	1.34	1.57	2.027	2.421	3.016	3.97	4.985	5.997
	WEIGHT (#/FT)	0.217	0.293	0.35	0.469	0.74	0.969	1.38	1.872	2.432
	SWPS (LBS)	1,340	1,604	1,919	2,579	4,090	5,348	7,618	10,320	13,395
SDR-11	MIN. WALL (IN)	0.179	0.191	0.2	0.218	0.276	0.3	0.337	0.375	0.432
	WALL TOLERANCE +	0.021	0.023	0.024	0.026	0.033	0.036	0.04	0.045	0.052
	AVG ID (IN)	0.936	1.255	1.476	1.913	2.29	2.864	3.786	4.768	5.709
	MIN ID (IN)	0.915	1.232	1.452	1.887	2.257	2.828	3.746	4.723	5.657
	WEIGHT (#/FT)	0.276	0.382	0.463	0.641	0.978	1.31	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

CO-EXTRUDED 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
8" through 16"	Supported Bend Radius 18 times the OD	Unsupported Bend Radius 27 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.
- Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions. The average rib height to be added is 0.020"
- Add 0.016 #/ft for ribbed products 1 1/2" and less. For 2" and larger, add 0.025 #/ft.



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