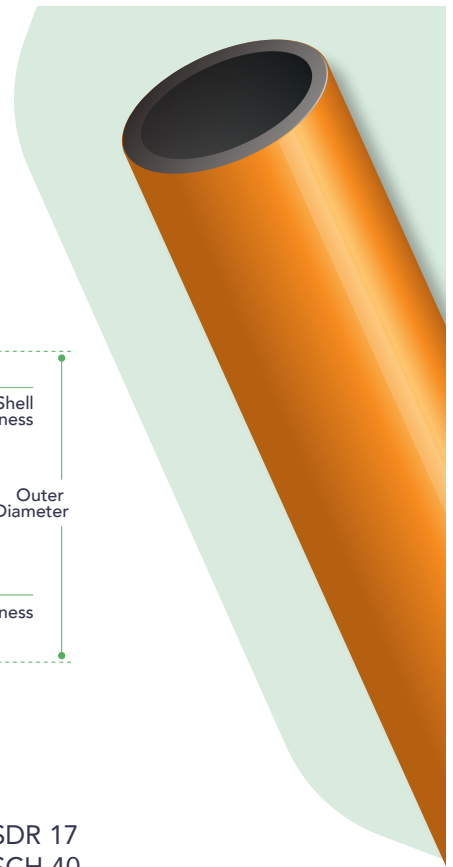
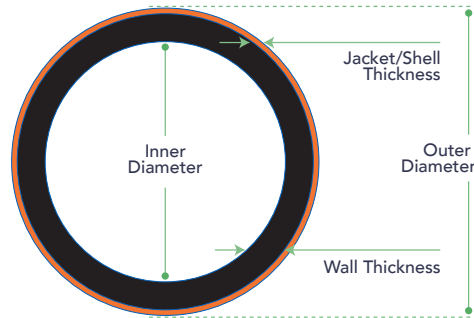


STANDARD

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 are 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

Subdivided Conduit
 Directional Bore
 Plow
 Tray
 Trench

SIZE RANGE AVAILABLE

1"	2"	4"
1 1/4"	2 1/2"	5"
1 1/2"	3"	6"

WALL TYPES

SDR 9	SDR 17
SDR 11	SCH 40
SDR 13.5	SCH 80
SDR 15.5	

STANDARD COLORS



FEATURES

STANDARD

MATERIAL Manufactured from flexible HDPE (High Density Polyethylene)

SPECIFICATIONS Conduit dimensions meet or exceed the requirements of ASTM F-2160 for the wall type selected. 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.

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

OPTIONS

PRE-INSTALLED 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.

PRE-INSTALLED CABLE Cable can be factory pre-installed in conduit

COEXTRUDED TECHNICAL SPECIFICATIONS (additional sizes next page)

SIZE	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"	SDR 9	1.315	0.007	0.146	0.020	1.003	0.983	0.234	13	26	1,288
	SDR 11	1.315	0.007	0.120	0.020	1.055	1.035	0.199	13	26	1,078
	SDR 13.5	1.315	0.007	0.097	0.020	1.101	1.081	0.167	13	26	894
	SDR 15.5	1.315	0.007	0.084	0.020	1.127	1.107	0.149	13	26	792
	SDR 17	1.315	0.007	0.077	0.020	1.141	1.121	0.138	13	26	722
	SCH 40	1.315	0.007	0.133	0.020	1.029	1.009	0.217	13	26	1,340
	SCH 80	1.315	0.007	0.179	0.021	0.936	0.915	0.276	13	26	1,533
1 1/4"	SDR 9	1.660	0.008	0.184	0.022	1.270	1.248	0.370	17	34	2,052
	SDR 11	1.660	0.008	0.151	0.020	1.338	1.318	0.312	17	34	1,717
	SDR 13.5	1.660	0.008	0.123	0.020	1.394	1.374	0.263	17	34	1,425
	SDR 15.5	1.660	0.008	0.107	0.020	1.426	1.406	0.234	17	34	1,234
	SDR 17	1.660	0.008	0.098	0.020	1.444	1.424	0.217	17	34	1,150
	SCH 40	1.660	0.008	0.140	0.020	1.360	1.340	0.293	17	34	1,604
	SCH 80	1.660	0.008	0.191	0.023	1.255	1.232	0.382	17	34	2,116
1 1/2"	SDR 9	1.900	0.010	0.211	0.025	1.453	1.428	0.485	19	38	2,688
	SDR 11	1.900	0.010	0.173	0.021	1.533	1.512	0.408	19	38	2,249
	SDR 13.5	1.900	0.010	0.141	0.020	1.598	1.578	0.342	19	38	1,867
	SDR 15.5	1.900	0.010	0.123	0.020	1.634	1.614	0.304	19	38	1,607
	SDR 17	1.900	0.010	0.112	0.020	1.656	1.636	0.281	19	38	1,507
	SCH 40	1.900	0.010	0.145	0.020	1.590	1.570	0.350	19	38	1,919
	SCH 80	1.900	0.010	0.200	0.024	1.476	1.452	0.463	19	38	2,564



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COEXTRUDED TECHNICAL SPECIFICATIONS (additional sizes next page)

SIZE	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"	SDR 9	2.375	0.012	0.264	0.032	1.815	1.783	0.759	24	48	4,200
	SDR 11	2.375	0.012	0.216	0.026	1.917	1.891	0.636	24	48	3,515
	SDR 13.5	2.375	0.012	0.176	0.021	2.002	1.981	0.528	24	48	2,917
	SDR 15.5	2.375	0.012	0.153	0.020	2.049	2.029	0.467	24	48	2,466
	SDR 17	2.375	0.012	0.140	0.020	2.075	2.055	0.432	24	48	2,355
	SCH 40	2.375	0.012	0.154	0.020	2.047	2.027	0.469	24	48	2,579
	SCH 80	2.375	0.012	0.218	0.026	1.913	1.887	0.641	24	48	2,545
2 1/2"	SDR 9	2.875	0.014	0.319	0.038	2.199	2.161	1.110	29	58	6,155
	SDR 11	2.875	0.014	0.261	0.031	2.322	2.291	0.930	29	58	5,151
	SDR 13.5	2.875	0.014	0.213	0.026	2.423	2.397	0.775	29	58	4,274
	SDR 15.5	2.875	0.014	0.185	0.022	2.483	2.461	0.680	29	58	3,592
	SDR 17	2.875	0.014	0.169	0.020	2.517	2.497	0.625	29	58	3,450
	SCH 40	2.875	0.014	0.203	0.024	2.445	2.421	0.740	29	58	4,090
	SCH 80	2.875	0.014	0.276	0.033	2.290	2.257	0.978	29	58	5,409
3"	SDR 9	3.500	0.018	0.389	0.047	2.675	2.628	1.648	39	78	9,122
	SDR 11	3.500	0.018	0.318	0.038	2.826	2.788	1.380	39	78	7,633
	SDR 13.5	3.500	0.018	0.259	0.031	2.951	2.920	1.146	39	78	6,335
	SDR 15.5	3.500	0.018	0.226	0.027	3.021	2.994	1.011	39	78	5,342
	SDR 17	3.500	0.018	0.206	0.025	3.063	3.038	0.928	39	78	5,114
	SCH 40	3.500	0.018	0.216	0.026	3.042	3.016	0.969	39	78	5,348
	SCH 80	3.500	0.018	0.300	0.036	2.864	2.828	1.310	39	78	7,238



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COEXTRUDED TECHNICAL SPECIFICATIONS (additional sizes next page)

SIZE	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)
4"	SDR 9	4.500	0.023	0.500	0.060	3.440	3.380	2.723	50	100	15,080
	SDR 11	4.500	0.023	0.409	0.049	3.633	3.584	2.282	50	100	12,618
	SDR 13.5	4.500	0.023	0.333	0.040	3.794	3.754	1.895	50	100	10,472
	SDR 15.5	4.500	0.023	0.290	0.035	3.885	3.850	1.669	50	100	8,814
	SDR 17	4.500	0.023	0.265	0.032	3.938	3.906	1.534	50	100	8,453
	SCH 40	4.500	0.023	0.237	0.028	3.998	3.970	1.380	50	100	7,618
	SCH 80	4.500	0.023	0.337	0.040	3.786	3.746	1.914	50	100	10,578
5"	SDR 9	5.563	0.028	0.618	0.074	4.253	4.179	4.161	61	122	23,045
	SDR 11	5.563	0.028	0.506	0.061	4.490	4.429	3.490	61	122	19,284
	SDR 13.5	5.563	0.028	0.412	0.049	4.690	4.641	2.896	61	122	16,004
	SDR 15.5	5.563	0.028	0.359	0.043	4.802	4.759	2.552	61	122	13,483
	SDR 17	5.563	0.028	0.327	0.039	4.870	4.831	2.339	61	122	12,918
	SCH 40	5.563	0.028	0.258	0.031	5.016	4.985	1.872	61	122	10,320
	SCH 80	5.563	0.028	0.375	0.045	4.768	4.723	2.657	61	122	14,669
6"	SDR 9	6.625	0.033	0.736	0.088	5.065	4.977	5.901	73	146	32,684
	SDR 11	6.625	0.033	0.602	0.072	5.349	5.277	4.944	73	146	27,349
	SDR 13.5	6.625	0.033	0.491	0.059	5.584	5.525	4.122	73	146	22,697
	SDR 15.5	6.625	0.033	0.427	0.051	5.720	5.669	3.615	73	146	19,123
	SDR 17	6.625	0.033	0.390	0.047	5.798	5.751	3.324	73	146	18,321
	SCH 40	6.625	0.033	0.280	0.034	6.031	5.997	2.432	73	146	13,395
	SCH 80	6.625	0.033	0.432	0.052	5.709	5.657	3.656	73	146	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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