



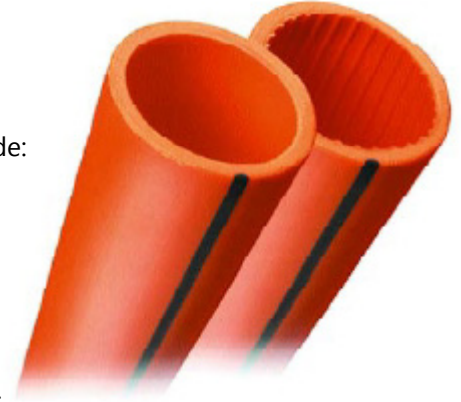
SMOOTHWALL

North Coast
CONDUIT LLC

Smoothwall Innerduct

North Coast Conduit Smoothwall is manufactured from High Density Polyethylene (HDPE) and is intended for use in underground, aerial, and innerduct applications. Smoothwall offers superior protection and serves as an ideal raceway for future cable expansion.

Smoothwall Innerduct is available in 1/2", through 4" diameters. Options include:
 Internal ribs
 Silicone pre-lube
 Aerial UV protection
 Pre installed pulling tapes
 A large variety of colors and striping
 Multiple lengths on a reel 1/2" through 2"



Smoothwall Innerduct is offered in custom lengths on collapsible steel reels or in straight lengths. Custom elbows and sweeps are available as well as a full line of couplers and terminal connectors.

Standards

North Coast Conduit Innerduct is manufactured according to the following industry standards:

ASTM D 3035 Polyethylene (PE) Plastic Pipe (SDR) Based on Controlled Outside Diameter.

ASTM D 2239 Polyethylene (PE) Plastic Pipe (SIDR) Based on Controlled Inside Diameter.

ASTM F 2160 Solid wall High Density Polyethylene (HDPE) Conduit based on Controlled Outside Diameter (O.D.)

NEMA TC-7 Smooth Wall Coilable Polyethylene Electrical Plastic Conduit.

Resin Properties

The resin properties meet or exceed the values listed below for HDPE:

ASTM Test	Description	Values HDPE
D-1505	Density g/CM 3	0.941 - 0.955
D-1238	Melt Index, g/10 min Condition E	0.05 - 0.50
D- 638	Tensile strength at yield (psi)	3000 min.
D-1693	Environmental Stress Crack Resistance Condition B,F 20	96 min.
D-790	Flexural Modulus, MPa (PSI)	80,000 min.
D-746	Brittleness Temperature	-75°C

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Dimensional Specifications

<u>Part Number</u>	<u>Size</u>	<u>Nominal ID</u>	<u>Nominal OD</u>	<u>Minimum Wall</u>	<u>Weight per 100 Feet</u>
SDR 7 - ASTM D3035					
1"SDR7	1"	0.939	1.315	0.188	28.552
1-1/4"SDR7	1-1/4"	1.186	1.66	0.237	45.448
1-1/2"SDR7	1-1/2"	1.358	1.9	0.271	59.491
2"SDR7	2"	1.697	2.375	0.339	93.012
3"SDR7	3"	2.5	3.5	0.5	202.14
4"SDR7	4"	3.214	4.5	0.643	334.212
SDR 9 - ASTM D3035/F 2160					
1"SDR9	1"	1.023	1.315	0.146	23
1-1/4"SDR9	1-1/4"	1.292	1.66	0.184	36.599
1-1/2"SDR79	1-1/2"	1.478	1.9	0.211	48.026
2"SDR9	2"	1.847	2.375	0.264	75.102
3"SDR9	3"	2.722	3.5	0.389	163.084
4"SDR9	4"	3.5	4.5	0.5	269.52
SDR 11 - ASTM D3035/F2160					
1/2"SDR11	1/2"	0.688	0.84	0.076	7.825
3/4"SDR11	3/4"	0.86	1.05	0.095	12.226
1"SDR11	1"	1.075	1.315	0.12	19.325
1-1/4"SDR11	1-1/4"	1.358	1.66	0.151	30.706
1-1/2"SDR11	1-1/2"	1.554	1.9	0.173	40.262
2"SDR11	2"	1.943	2.375	0.216	62.845
3"SDR11	3"	2.864	3.5	0.318	136.36
4"SDR11	4"	3.682	4.5	0.409	225.483
SDR 13.5 - ASTM D3035/F2160/NEMA TC-7 EPEC-B					
1/2"SDR13.5	1/2"	0.716	0.84	0.062	6.5
3/4"SDR13.5	3/4"	0.894	1.05	0.078	10.217
1"SDR13.5	1"	1.121	1.315	0.097	15.921
1-1/4"SDR13.5	1-1/4"	1.414	1.66	0.123	25.477
1-1/2"SDR713.5	1-1/2"	1.618	1.9	0.141	33.423
2"SDR13.5	2"	2.023	2.375	0.176	52.155
2-1/2"SDR13.5	2-1/2"	2.449	2.875	0.213	77.031
3"SDR13.5	3"	2.982	3.5	0.259	113.12
4"SDR13.5	4"	3.834	4.5	0.333	186.994
SDR 15.5 - ASTM D3035 /F2160					
1"SDR15.5	1"	1.147	1.315	0.084	13.935
1-1/4"SDR15.5	1-1/4"	1.446	1.66	0.107	22.393
1-1/2"SDR715.5	1-1/2"	1.654	1.9	0.123	29.455
2"SDR15.5	2"	2.069	2.375	0.153	45.814
3"SDR15.5	3"	3.048	3.5	0.226	99.712
4"SDR15.5	4"	3.92	4.5	0.29	164.528



Dimensional Specifications

Part Number	Size	Nominal ID	Nominal OD	Minimum Wall	Weight per 100 Feet
SCHEDULE 40 - ASTM D2447/F2160/NEMA TC-7 EPEC-40					
1/2"SCH40	1/2"	0.622	0.84	0.109	10.738
3/4"SCH40	3/4"	0.824	1.05	0.113	14.269
1"SCH40	1"	1.049	1.315	0.133	21.185
1-1/4"SCH40	1-1/4"	1.38	1.66	0.14	28.677
1-1/2"SCH40	1-1/2"	1.61	1.9	0.145	34.293
2"SCH40	2"	2.067	2.375	0.154	46.093
2-1/2"SCH40	2-1/2"	2.469	2.875	0.203	73.096
3"SCH40	3"	3.068	3.5	0.216	95.591
4"SCH40	4"	4.026	4.5	0.237	136.152
SCHEDULE 80 - ASTM D2447/F2160/NEMA TC-7 EPEC-80					
1/2"SCH80	1/2"	0.546	0.84	0.147	13.728
3/4"SCH80	3/4"	0.742	1.05	0.154	18.595
1"SCH80	1"	0.957	1.315	0.179	27.403
1-1/4"SCH80	1-1/4"	1.278	1.66	0.191	37.811
1-1/2"SCH80	1-1/2"	1.5	1.9	0.2	45.818
2"SCH80	2"	1.939	2.375	0.218	63.368
2-1/2"SCH80	2-1/2"	2.323	2.875	0.276	96.667
3"SCH80	3"	2.9	3.5	0.3	129.37
4"SCH80	4"	3.826	4.5	0.337	189.059
NEMA TC-7 EPEC A					
1/2"TC7	1/2"	0.546	0.84	0.06	6.307
3/4"TC7	3/4"	0.93	1.05	0.06	8.005
1"TC7	1"	1.165	1.315	0.075	12.533
1-1/4"TC7	1-1/4"	1.46	1.66	0.1	21.023
1-1/2"TC7	1-1/2"	1.67	1.9	0.115	27.663
2"TC7	2"	2.085	2.375	0.145	43.575
2-1/2"TC7	2-1/2"	2.469	2.875	0.203	73.096
3"TC7	3"	3.068	3.5	0.216	95.591
4"TC7	4"	4.026	4.5	0.237	136.152