

# HDPE Cable-in-Conduit



## General Information

### Conduit Markings

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

### Specifications

All smoothwall conduit is manufactured to meet or exceed the following standards: ASTM F-2160, ASTM D-3350, and ASTM D-3485.

### UV Protection

Standard One-Year UV Protection Color Package. Additional UV packages available by request.

### Pre-Installed Cable

Pre-installed cable components for Service Drops, Fiberoptics, Coaxial Cable, 600 Volt Al, 600 Volt Cu, Medium Voltage. Single or multiple cable pre-install with other custom options available.

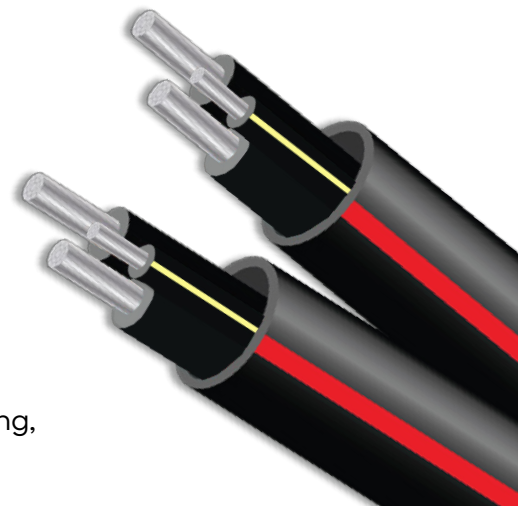
## Features & Applications

### Features

- Smooth, solid-wall, continuous length conduit
- No limitations on color availability; most frequently requested in orange, black, grey, and red with stripes
- Date of manufacture and sequential length markings
- High tensile and compression strength
- UV stabilization additive
- Available in 66", 72", 78", 83", 90" and 96" reel sizes.

### Applications

- Power and Communications
- Product can be installed using HDD (horizontal directional drilling), plowing, planting, or open trench



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## HDPE conduit material definition according to ASTM F2160

Property	Range or Minimum Requirement	Units	Cell Class	Test Method
Density	0.940 >	g/cc	3	ASTM D 792 or 1505
Melt Index	<0.4	g/10 minutes	3 or 4	ASTM D 1238
Flexural Modulus	80,000 >	psi	4 or 5	ASTM D 790
Tensile Strength	3000 >	psi	4 or 5	ASTM D 638
Environmental Stress Crack Resistance	F10>96	Hours (condition C)	8	ASTM D 1693

Nominal values that serve as guidelines.

## HDPE Smoothwall

### HDPE IPS Smoothwall

IPS Size	Average OD	SCH	DR 13.5	DR 11	Schedule 40	Schedule 80
1 ¼	1.66	Min Wall	0.123	0.151	0.14	0.191
		Avg ID	1.394	1.338	1.36	1.258
		Weight lb/ft	0.263	0.312	0.293	0.379
1 ½	1.90	Min Wall	0.141	0.173	0.145	0.2
		Avg ID	1.599	1.535	1.59	1.48
		Weight lb/ft	0.341	0.406	0.35	0.459
2	2.375	Min Wall	0.176	0.216	0.154	0.218
		Avg ID	2.003	1.923	2.047	1.919
		Weight lb/ft	0.527	0.628	0.469	0.633
2 ½	2.875	Min Wall	0.213	0.261	0.203	0.276
		Avg ID	2.429	2.332	2.449	2.303
		Weight lb/ft	0.765	0.914	0.734	0.958
3	3.50	Min Wall	0.259	0.318	0.216	0.3
		Avg ID	2.961	2.844	3.048	2.88
		Weight lb/ft	1.126	1.347	0.957	1.28
4	4.500	Min Wall	0.296	0.364	0.237	0.377
		Avg ID	3.407	3.273	3.526	3.246
		Weight lb/ft	1.887	2.275	2.588	3.208

Note: 4" sch 40, 5" sch 40 & 6" sch 40 & sch 80 are NON-COILABLE items due to thin walls