

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.

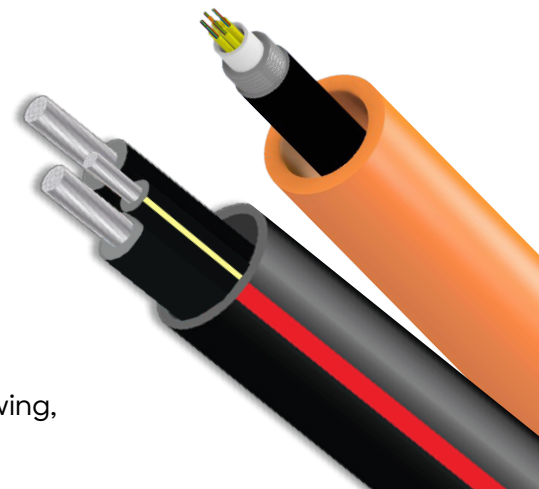
Features & Applications

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
¾	1.05	Min Wall	0.078	0.095	0.113	0.154
		Avg ID	0.885	0.849	0.804	0.722
		Weight lb/ft	0.100	0.120	0.215	0.188
1	1.315	Min Wall	0.097	0.120	0.133	0.179
		Avg ID	1.109	1.061	1.030	0.936
		Weight lb/ft	0.160	0.200	0.145	0.277
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



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