



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 Innerduct is available available in 1/2", through through 4" diameters .

- 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"
- Cable-In-Conduit (Fiber Optic, Coaxial, FAA Lighting, and Electrical)
- Microduct

Smoothwall Innerduct is offered in custom lengths on collapsible steel reels or in straight lengths, 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 F 2160 - Solid wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter

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

NEMA TC-7- Smoothwall Coilable Polyethylene Electrical Plastic Conduit.

**UL Rated product available upon request – (ETL Listed to UL Standard 651A - Continuous Length HDPE Conduit)*

Standard Resin Properties

The standard resin properties used meet or exceed the minimum values listed in **ASTM D 3350** for **HDPE** cell classification. (PE334430C or E)

ASTM Test	Description	Typical 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 psi min.
D-1693	Environmental Stress Crack Resistance Condition B,.	F10> 96 hr.
D-790	Flexural Modulus, MPa (PSI)	80,000 min.
D-746	Brittleness Temperature	-75°C

SCHEDULE 40 - ASTM D2447 / F2160 / NEMA TC-7 EPEC-40 *ETL Listed to UL 651A					
SIZE	Type	MIN WALL ¹ (in.)	AVG OD ¹ (in.)	ID SMOOTH (lb/ft.)	ID RIBBED (lb/ft.)
1/2"	SCH 40	0.109	0.836	0.111	0.117
3/4"	SCH 40	0.113	1.045	0.148	0.155
1"	SCH 40	0.133	1.308	0.218	0.229
1-1/4"	SCH 40	0.140	1.652	0.294	0.309
1-1/2"	SCH 40	0.145	1.890	0.351	0.369
2"	SCH 40	0.154	2.363	0.471	0.495
2-1/2"	SCH 40	0.203	2.861	0.744	0.781
3"	SCH 40	0.216	3.482	0.973	1.022
4"	SCH 40	0.237	4.477	1.387	1.456

SCHEDULE 80 - ASTM D2447 / F2160 / NEMA TC-7 EPEC-80 *ETL Listed to UL 651A					
SIZE	Type	MIN WALL ¹ (in.)	AVG OD ¹ (in.)	ID SMOOTH (lb/ft.)	ID RIBBED (lb/ft.)
1/2"	SCH 80	0.147	0.836	0.139	0.146
3/4"	SCH 80	0.154	1.045	0.189	0.198
1"	SCH 80	0.179	1.308	0.277	0.291
1-1/4"	SCH 80	0.191	1.652	0.383	0.402
1-1/2"	SCH 80	0.200	1.890	0.465	0.488
2"	SCH 80	0.218	2.363	0.644	0.676
2-1/2"	SCH 80	0.276	2.861	0.982	1.031
3"	SCH 80	0.300	3.482	1.315	1.381
4"	SCH 80	0.337	4.477	1.923	2.019

**ETL Listed product available upon request*



Draka

A brand of the

Prysmian Group



Colorable FAA-L-824 Type C Cable

Single conductor for airport lighting / 8, 6 & 4 AWG / XLPE insulation / 5KV



Applications

These are single conductor 5000 volt non shielded power cables suitable for L-824 underground installation for lighting at airports per FAA L-824 Type C and AC 150/5345-53 Appendix 3. FAA L-824 cables are suitable for use in conduit, duct and aerial installations.

This cable is available in solid colors for permanent circuit identification: blue, grey, orange, green, red, white, yellow, black and terra cotta.

Specifications and Ratings

- FAA Advisory Circular 150/5345-7F Airport Lighting
- FAA Advisory Circular 150/5345-7F
- Equipment Certification Program AC150/5345-53 appendix 3 in accordance with Underground Electrical Cable for Airport Lighting Circuits per spec L-824 and ICEA S-96-659 (NEMA WC71).
- Draka's airport lighting cables have been certified as 100% Buy American by the FAA.

Design Parameters

CONDUCTORS: Soft drawn stranded bare copper per ASTM B3 and ASTM B8.

INSULATION: Crosslinked polyethylene (XLPE) 110 mil thick in accordance with ICEA S-96-659. An optional separator tape under the insulation eases stripping. Available in nine colors (see chart on page 2).

Available Colors:

- Black
- Blue
- Green
- Grey
- Orange
- Red
- Terra Cotta
- Yellow
- White

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Colorable FAA-L-824 Type C Cable

Single conductor for airport lighting / 8, 6 & 4 AWG / XLPE insulation / 5KV

Part Number	Insulation Color	Conductor Size	Stranding	Insulation Thickness in (mm)	Nominal Cable O.D. in (mm)	Cable Weight Lbs/Mft (Kg/Km)
389171	Black	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393000	Blue	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393001	Green	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393002	Grey	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393003	Orange	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393004	Red	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393005	Terra Cotta	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393006	Yellow	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393007	White	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
389172	Black	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393xxx	Blue	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393xxx	Green	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393012	Grey	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393013	Orange	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393014	Red	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393015	Terra Cotta	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393016	Yellow	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393017	White	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
388181	Black	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393020	Blue	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393021	Green	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393022	Grey	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393023	Orange	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393024	Red	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393025	Terra Cotta	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393026	Yellow	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393027	White	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.