Power and Communications Market Products

HDPE Conduit Product Submittal

Alterations to this document by any agency other than Atkore International voids the certification.

Atkore™

Comm-Line™

Atkore's Comm-Line is one of the most common conduit solutions for telecommunications and fiber-optic projects across the United States. It is available in IPS (Iron Pipe Size) in diameters from ¾ to 16 inches and DIPS (Ductile Iron Pipe Size) in diameters 4 inches and up. It can be installed in existing conduit or via plow, direct burial or HDD (horizontal directional drilling) installation methods.

Comm-Line is typically identified by a solid orange or terracotta color. However, Comm-Line is available in 12 colors, and added striping can result in up to 144 variations to meet any project requirement. Special coloring or print line identification can be used to identify the product and differentiate it from other telecom companies who might be sharing the same trench. Comm-Line is available for delivery on segmented reels; separate multiple lines can be wound on a single reel for easy installation of multiple lines at the job site.

Print Line Information

Comm-Line is sequentially marked and identified along its outer length in contrasting color.

The print interval is every two feet and includes the following:

Manufacturer's Name:
United Poly Systems PRODUCT SIZE/ SDR

Production Code Date, Location, Period SPECIFICATION

Length of Conduit (in feet)

Options

- Straight longitudinal internal ribbing is available for all pipes 2 inch diameter and below. Uniform straight internal ribbing spans the length of the pipe.
- Optional custom print lines are available and may include customer name, project name, application and lightning bolt.
- Pull tape is offered in several tensile strengths. United Poly Systems standard pull tape is 1130 lb strength. Other options include strengths from 200 to 2500 lb.
- Several colors and stripes are offered to customize the product to the customer's needs. United Poly Systems offers custom colors upon request.

HDPE conduit material definition according to ASTM F2160

Property	Range or Minimum Requirement	Units	Cell Class	Test Method
Density	0.941 - 0.955	g/cc	3	ASTM D 792 or 1505
Melt Index	< 0.25 - 0.40	g/10 minutes	3 or 4	ASTM D 1238
Flexural Modulus	110,000 - 160,000	psi	4 or 5	ASTM D 790
Tensile Strength	3000 - 4000	psi	4 or 5	ASTM D 638
Environmental Stress Crack Resistance	F20 > 192	Hours (condition C)	3 or 4	ASTM D 1693
HDB	Not Defined		0, 1, 2, 3 or 4	ASTM D 2837

These are nominal values and used as guidelines only.
This is not a product specification and does not indicate minimum or maximum operating values.

HDPE Conduit IP Sizes

IPS Size	Avg. OD	SDR PSI	7 335	7.3 320	9 250	11 200	13.5 160	15.5 139	17 130	19 110	21 100	26 80	32.5 65
½	0.84	Min Wall Avg ID Weight lb/ft	– – –	– – –	0.093 0.648 0.092	0.076 0.683 0.077	0.062 0.712 0.064	– – –	– – –	– – –	– – –	– – –	– – –
3/4	1.05	Min Wall Avg ID Weight lb/ft	0.150 0.732 0.180	– – –	0.117 0.802 0.150	0.095 0.849 0.120	0.078 0.885 0.100	– – –	– – –	– – –	– – –	– – –	– – –
1	1.315	Min Wall Avg ID Weight lb/ft	0.188 0.916 0.288	0.180 0.933 0.278	0.146 1.005 0.230	0.120 1.061 0.200	0.097 1.109 0.160	– – –	– – –	– – –	– – –	– – –	– – –
1 ¼	1.66	Min Wall Avg ID Weight lb/ft	0.237 1.157 0.459	0.227 1.178 0.442	0.184 1.292 0.370	0.151 1.358 0.310	0.123 1.414 0.250	0.107 1.446 0.224	0.107 1.465 0.206	– – –	– – –	– – –	– – –
1 ½	1.90	Min Wall Avg ID Weight lb/ft	0.271 1.325 0.600	0.260 1.348 0.580	0.211 1.478 0.480	0.173 1.554 0.400	0.141 1.618 0.330	0.123 1.654 0.295	0.112 1.676 0.270	– – –	– – –	– – –	– – –
2	2.375	Min Wall Avg ID Weight lb/ft	0.339 1.656 0.939	0.325 1.685 0.906	0.264 1.815 0.760	0.213 1.917 0.640	0.176 2.002 0.530	0.153 2.069 0.458	0.140 2.078 0.430	0.125 2.110 0.390	0.113 2.135 0.350	– – –	– – –
2 ½	2.875	Min Wall Avg ID Weight lb/ft	0.411 2.004 1.377	0.394 2.040 1.329	0.319 2.198 1.109	0.262 2.351 0.930	0.213 2.449 0.764	0.213 2.424 0.771	0.169 2.516 0.622	– – –	– – –	– – –	– – –
3	3.50	Min Wall Avg ID Weight lb/ft	0.500 2.44 2.040	0.479 2.484 1.968	0.389 2.675 1.660	0.318 2.826 1.390	0.259 2.951 1.150	0.226 3.048 0.997	0.206 3.063 0.932	0.184 3.110 0.840	0.167 3.146 0.770	0.135 3.214 0.63	0.1076 3.285 0.494
4	4.50	Min Wall Avg ID Weight lb/ft	0.643 3.137 3.372	0.616 3.193 3.253	0.500 3.440 2.740	0.409 3.633 2.290	0.333 3.794 1.900	0.290 3.920 1.645	0.265 3.938 1.514	0.237 3.998 1.390	0.214 4.046 1.260	0.173 4.133 1.03	0.138 4.207 0.83
5	5.563	Min Wall Avg ID Weight lb/ft	0.795 3.878 5.170	0.762 3.947 4.975	0.618 4.253 4.180	0.506 4.490 3.510	0.412 4.690 2.910	0.359 4.844 2.517	0.327 4.870 2.352	0.293 4.942 2.120	0.265 5.001 1.930	0.214 5.109 1.57	0.171 5.20 1.27
6	6.625	Min Wall Avg ID Weight lb/ft	0.946 4.619 7.330	0.908 4.701 7.059	0.736 5.065 5.930	0.602 5.349 4.970	0.491 5.584 4.130	0.427 5.771 3.566	0.390 5.798 3.340	0.349 5.885 3.010	0.315 5.957 2.730	0.255 6.084 2.23	0.204 6.193 1.781
7	7.125	Min Wall Avg ID Weight lb/ft	– – –	– – –	– – –	– – –	– – –	– – –	0.419 6.236 3.821	0.375 6.330 3.442	0.339 6.406 3.128	0.274 6.544 2.553	0.219 6.660 2.057
8	8.625	Min Wall Avg ID Weight lb/ft	1.232 6.013 12.385	1.182 6.120 11.963	0.958 6.593 9.988	0.784 6.963 8.359	0.639 7.271 6.939	0.556 7.445 6.100	0.507 7.549 5.597	0.454 7.663 5.044	0.411 7.754 4.591	0.332 7.922 3.744	0.265 8.062 3.012
10	10.75	Min Wall Avg ID Weight lb/ft	1.536 7.494 19.245	1.473 7.628 18.581	1.194 8.218 15.515	0.977 8.678 12.983	0.796 9.062 10.774	0.694 9.280 9.490	0.632 9.409 8.695	0.566 9.551 7.838	0.512 9.665 7.128	0.413 9.873 5.805	0.331 10.049 4.689
12	12.75	Min Wall Avg ID Weight lb/ft	1.821 8.889 27.062	1.747 9.047 26.138	1.417 9.747 21.837	1.159 10.293 18.267	0.944 10.748 15.155	0.823 11.006 13.348	0.750 11.160 12.238	0.671 11.327 11.021	0.607 11.463 10.023	0.490 11.710 8.169	0.392 11.918 6.587
14	14.00	Min Wall Avg ID Weight lb/ft	2.000 9.760 32.635	1.918 9.934 31.511	1.556 10.702 26.329	1.273 11.302 22.030	1.037 11.801 18.279	0.903 12.085 16.082	0.824 12.254 14.763	0.737 12.438 13.292	0.667 12.587 12.093	0.538 12.858 9.848	0.431 13.087 7.952
16	16.00	Min Wall Avg ID Weight lb/ft	2.286 11.154 42.629	2.192 11.353 41.157	1.778 12.231 34.384	1.455 12.916 28.777	1.185 13.487 23.872	1.032 13.812 21.005	0.941 14.005 19.269	0.842 14.215 17.355	0.762 14.385 15.789	0.615 14.695 12.866	0.492 14.956 10.37
18	19.5	Min Wall Avg ID Weight lb/ft	2.786 13.594 63.318	2.671 13.837 61.123	2.167 14.907 51.074	1.773 15.742 42.738	1.444 16.438 35.453	1.258 16.833 31.205	1.147 17.068 28.625	1.026 17.324 25.774	0.929 17.531 23.460	0.750 17.910 19.122	0.600 18.228 15.420
20	21.6	Min Wall Avg ID Weight lb/ft	3.086 15.058 77.690	2.959 15.327 75.004	2.400 16.512 62.659	1.964 17.437 52.440	1.600 18.208 43.513	1.394 18.646 38.301	1.271 18.906 35.134	1.137 19.190 31.637	1.029 19.419 28.783	0.831 19.839 23.469	0.665 20.191 18.931
24	25.8	Min Wall Avg ID Weight lb/ft	3.686 17.986 112.970	3.534 18.307 109.056	2.867 19.723 91.123	2.345 20.828 76.229	1.911 21.748 63.270	1.665 22.271 55.693	1.518 22.583 51.086	1.358 22.921 46.002	1.229 23.195 41.852	0.992 23.696 34.107	0.794 24.117 27.517

This is not a product specification and does not indicate minimum or maximum operating values. These are nominal values and used as guidelines only.

HDPE Conduit SCH 40 and SCH 80 Sizes

SCH	SIZE OD	3/4 1.05	1 1.31	1 1/4 1.66	1 1/2 1.90	2 2.37	2 1/2 2.87	3 3.50	4 4.50	5 5.56	6 6.62
40	Min Wall Avg ID Weight lb/ft	0.113 0.804 0.215	0.133 1.030 0.145	0.140 1.360 0.291	0.145 1.590 0.349	0.154 2.047 0.469	0.203 2.445 0.744	0.216 3.042 0.973	0.237 3.998 1.387	0.258 5.016 1.882	0.280 6.031 2.443
80	Min Wall Avg ID Weight lb/ft	0.154 0.722 0.188	0.179 0.936 0.277	0.191 1.255 0.383	0.200 1.476 0.465	0.218 1.913 0.644	0.276 2.290 0.982	0.300 2.864 1.315	0.337 3.786 1.923	0.375 4.768 2.668	0.432 5.709 3.669

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

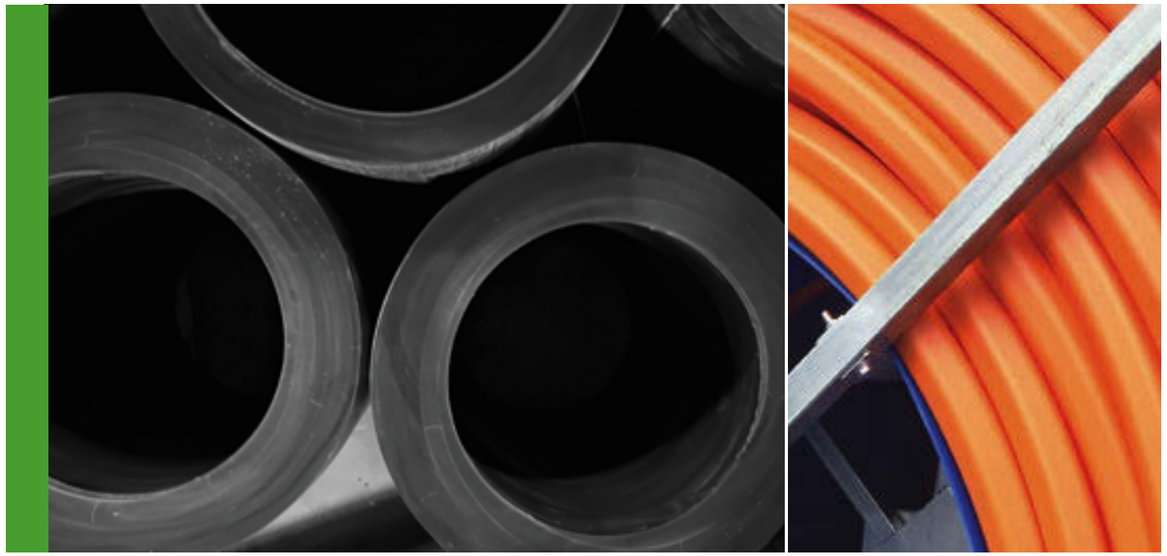
Part Number Builder

Atkore part numbers are created using ten different values describing the attributes that make up each product and is used to easily identify each products characteristics.

D 1250 5 A OR NN 2 N S TS

Part No. Sections	Product	Size	SDR (SIDR)	Segmented	Color	Strip	Pull Tape	Lube	Ribbing	Market
Sample Section Value	Conduit/Duct	1.25"	13.5	Single way reel	Orange	None	1130#	None	Smooth	Smooth
Sample Value Code	D	1250	5	A	OR	NN	2	N	S	TS
Code Finder	Conduit/Duct = **D** UL Listed = **U**	3/4" = **0750** 1" = **1000** 1.25" = **1250** 1.5" = **1500** 2" = **2000** 2.5" = **2500** 3" = **3000** 4" = **4000** 5" = **5000** 6" = **6000**	SDR 7 = **1** SDR 9 = **2** SDR 11 = **3** SDR 11.5 = **4** SDR 13.5 = **5** SDR 15.5 = **6** SDR 17 = **7** SDR 19 = **8** SDR 21 = **9** SDR 32.5 = **10** SDR 40 = **11** SDR 80 = **12** SDR 5 = **13** SDR 26 = **16**	Single way reel = **A** 2way reel = **B** 3way reel = **C** 4way reel = **D**	None = **NN** Black = **BK** Red = **RD** Orange = **OR** Tan = **TN** Purple = **VT** Slate = **ST** Gray = **GY** Purple = **PR** None = **NS** White = **WT** Green = **GN** Blue = **BL** Pink = **PK** White = **WH** Terra Cotta = **TC** Lime = **LM** Brown = **BN** Lilac = **LC**	None = **NN** Black = **BK** Red = **RD** Orange = **OR** Tan = **TN** Purple = **VT** Slate = **ST** Gray = **GY** Purple = **PR** None = **NS** White = **WT** Green = **GN** Blue = **BL** Pink = **PK** White = **WH** Terra Cotta = **TC** Lime = **LM** Brown = **BN** Lilac = **LC**	None = **N** 200# = **1** 1130# = **2** 1250# = **3** 1800# = **4** 2500# = **5** 2500# Detectable = **6** 1250# Detectable = **7** 1800# Detectable = **8** 4000# = **9**	None = **N** Lubricated = **Y**	Smooth = **S** Ribbed = **R**	Conduit (Telco/Power) = **TS** UL 651a Listed = **US**

Product Portfolio



Throughout the last year, Atkore has been focused on investing in and expanding our HDPE pipe and conduit product portfolio while broadening our distribution range to meet the growing demands resulting from the expansion of 5G wireless networks, Fiber to the Home (FTTH), and electrical grid hardening projects throughout the U.S. This year has seen the acquisition of several industry leaders, including **Four-Star Industries, United Poly Systems, Cascade Poly Pipe + Conduit, and Elite Polymer Solutions.** In early 2023, we will be opening our newest HDPE facility in Dallas, Texas. Our investments in new manufacturing capacity will allow us to be a growth partner and to lead the expansion of the market segment.

HDPE Portfolio

We offer a full product portfolio of conduit products from ½" through 16". With 12 colors and numerous striping options, combined we have over 144 different variations to meet any project requirements.

The following factors are pertinent to new and existing customers considering Atkore branded HDPE Conduit:

- Atkore conduit products are available with independent NSF certification to the strict requirements of the relevant safety standard (UL651A). Additional Atkore locations are in the process of obtaining this certification
- NSF certification indicates that the manufacturing site has been audited by the testing agency and meets follow-up inspections for verification of continued conformance to the UL standard
- NSF International is one of several Agencies classified as a Nationally Recognized Testing Laboratory (NRTL). A NRTL is an independent laboratory recognized by the Occupational Safety and Health Administration (OSHA) to test products to the specifications of applicable product safety standards such as UL or ANSI. The function of a NRTL is to provide independent evaluation, testing, and certification of products to their respective product safety standard. NSF, ETL and UL are all Nationally Recognized Testing Laboratories
- Atkore conduit can be supplied and marked with multiple Legacy brands, including Eastern Wire + Conduit, Four-Star Industries, United Poly Systems. All Legacy brands were brought under the Atkore umbrella as a result of various acquisitions.

Systems Update

Atkore recently installed and implemented a new computer system requiring us to consolidate and standardize data management for the entire HDPE Business Unit. Legacy part numbers from each individual company acquired were not entered and will not be maintained within the new system.

As such, we are requesting that you change all Atkore Legacy brand part numbers to United Poly Systems numbers. Today, we reference our individual HDPE products in literature, labeling and price sheets in two ways:

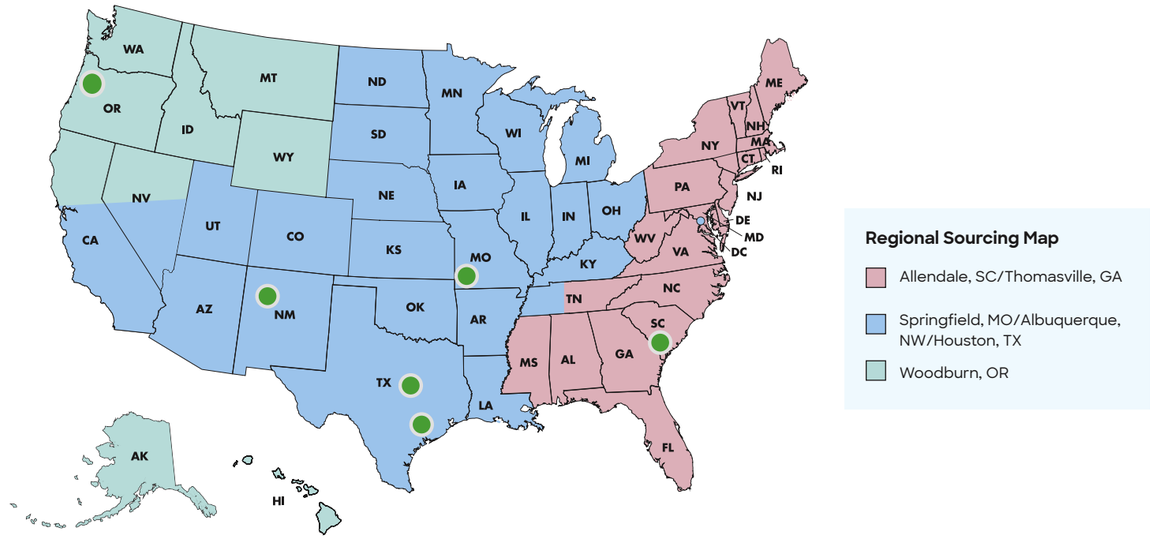
Catalog Part Number

A customer friendly and intuitive part identifier that utilizes numbers and / or letters and in many cases requires no lookup or memorization

System SKU

A 4 to 6 digit numerical only identifier

Either of these identifiers are recognizable within our system and can be effectively used for RFQ's, order entry and invoicing. Please contact your local HDPE Sales Representative if you need additional information or help with this request.



Atkore- HDPE

This product specification is written according to the Construction Specifications Institute *MasterFormat,* 2018 Update.

SECTION 26 05 33.13

CONDUIT FOR ELECTRICAL SYSTEMS – HDPE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section includes the following:
B. HDPE conduit
C. Related Sections
   1. Section 26 05 26 “Grounding and Bonding for Electrical Systems”
   2. Section 26 05 29 “Hangers and Supports for Electrical Systems”
   3. Section 26 05 33.16 “Boxes for Electrical Systems”
   4. Section 27 05 33 “Conduits and Backboxes for Communications Systems”
   5. Section 25 05 28.33 “Conduits and Backboxes for Integrated Automation”

1.3 REFERENCES

A. ASTM F2160 Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD).
B. ASTM D 2239 Polyethylene (PE) Plastic Pipe (SIDR) Based on Controlled Inside Diameter.
C. UL 651A High-Density Polyethylene (HDPE) Conduit
D. NEMA TC-7 Smooth Wall Coilable Polyethylene Electrical Plastic Conduit.
E. NFPA 70 – *National Electrical Code® (NEC®)*

1.4 SUBMITTALS

A. Manufacturer’s Product Data
B. Certifications to applicable standards
C. Domestic certifications: When required to Buy American Act or Buy America Act, comply with the provisions of Section 01 33 13

1.5 QUALITY ASSURANCE

A. HDPE UL Conduit shall be listed and manufactured in accordance with UL 651A.
B. HDPE General Conduit shall be listed and manufactured in accordance with ASTM F2160 and NEMA TC-7.
C. Electrical equipment and materials shall be new and within one year of manufacture, complying with the latest codes and standards. No used, re-built, refurbished and/or re-manufactured electrical equipment and materials shall be furnished on this project.
D. Testing Agency Qualifications: Testing/listing agency shall be one of the following Nationally Recognized Testing Laboratories:
   1. Underwriters Laboratories (UL)
   2. Intertek Testing Services (ETL)
   3. NSF International

1.6 STORAGE AND HANDLING

A. Storage: If conduit is stored outdoors, it shall be stored in such a way as to allow air circulation and water drain-off and shall not be directly covered with plastic as per ASTM F2160. Non-UV exposed colored conduit (black included) is protected against UV degradation while outdoors and uncovered for a period of no less than 1 year in compliance with ASTM F2160.

PART 2 – PRODUCTS

2.1 BRANDS

A. Atkore - HDPE Allied Pipe & Conduit - Four Star Industries - United Poly Systems - Elite Polymers Solutions
16100 Lathrop Ave
Harvey, IL 60426
TOLL-FREE / 800-882-5543
Local / (708) 339-1610

2.2 HDPE CONDUIT

2.2.1 ASTM F2160 Compliant Conduit

A. HDPE Conduit produced according to ASTM F2160 shall be available in trade sizes ½” – 26” IPS.
B. HDPE Conduit produced according to ASTM F2160 shall be listed and manufactured in accordance with ASTM F2160.
C. HDPE Conduit can be produced according to ASTM F2160 and NEMA TC-7 when requested by the customer.

2.2.2 UL 651A Compliant Conduit

A. HDPE Conduit produced according to UL 651A shall be available in trade sizes 1”-6” IPS.
B. HDPE Conduit shall be listed and manufactured in accordance with UL 651A.
C. HDPE Conduit can be produced according to UL651A and NEMA TC-7 when requested by the customer.
D. HDPE Conduit produced to UL 651A shall be labeled or marked showing evidence of third-party listing to product standard where applicable.

E. HDPE Conduit produced to UL 651A and NEMA TC-7 shall be labeled or marked showing evidence of third-party listing to product standards where applicable.

2.3 FITTINGS

A. Fittings, including fabricated fittings, junction-box adapters, expansion joints, threaded adapters and service entrance heads shall be listed to UL 651A and manufactured in accordance with NEMA TC-7.
B. Fittings for use in wet locations shall be listed for use in wet locations.

PART 3 – EXECUTION

3.1 INSTALLATION

A. HDPE Conduit, elbows and fittings shall be installed in compliance with the latest version of the National Electrical Code® (NEC®) and other applicable codes and standards as indicated elsewhere in these specifications.
B. HDPE Conduit, elbows and fittings shall be installed in accordance with NECA National Electrical Installation Standard (NEIS) 111, *Standard for Installing Nonmetallic Raceways.*
C. HDPE Conduit shall be installed following ASTM F2620 standard practice for heat fusion joining of polyethylene pipe and fittings.
D. HDPE Conduit shall be acceptable where not subject to physical damage.

16100 South Lathrop Avenue
Harvey, IL 60426
Office 708-339-1610
Phone 800-882-5543
Web atkore.com

CERTIFICATE OF CONFORMANCE

BUY AMERICA, BUY AMERICAN

INFRASTRUCTURE INVESTMENT AND JOBS ACT (BABA)

HDPE ELECTRICAL CONDUIT

January 1, 2024

To whom it may concern:

Atkore's HDPE Conduit complies with the Buy America requirements of 49 U.S.C. 50101 and the applicable regulations in 49 CFR part 661, the Buy American Act of 1933 (FAR 52.225, Sections 9-12), and the Infrastructure Investment and Jobs Act (Build America, Buy America).

This certification has been issued for only the products listed above for domestic compliance and is valid for 180 days. Alterations to this document by any agency other than Atkore International, Inc. voids the certification.

Please contact me with any questions regarding this certification.

Atkore Industry Affairs Team

Direct **1.800.882.5543**

Email **Industryaffairs@atkore.com**

16100 South Lathrop Avenue
Harvey, IL 60426
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Atkore HDPE Pipe & Conduit certifies that the general conduit product is manufactured in our company's factories on factory production equipment, and that these products are manufactured in accordance with our published literature, specification sheets, and the following standards:

HDPE General Conduit

Buy America Act
Buy American Compliant
ASTM F2160 - Solid Wall High Density Polyethylene Conduit Based on Controlled Outside Diameter
ASTM D3350 – Specification for Polyethylene Plastics Pipe and Fittings Materials
ASTM D792 - Density– 0.941-0.947 g/cm^3
ASTM D1238 - Melt Index – 0.15 - <0.40
ASTM D2122 - Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D638 - Elongation – 400%, Tensile – 3,000 psi minimum
ASTM D4218 - Carbon Black Content 2%-4% (Black Pipe Only)
ASTM D2412 - External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D1693 – Environmental Stress Cracking - Condition B, 10% Igepal F10 > 96 hr
ASTM D2444 – Low Temperature Impact Resistance by Falling Weight
NEMA TC-7 - Smooth Wall Coilable Electrical Polyethylene Conduit

Signature: William Cornell

Date: 6/1/2023

Sincerely,
Industry Affairs Team
Atkore International
Phone: 1-800-882-5543
Email: IndustryAffairs@atkore.com

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UL 651A Cell Classification Certificate of Compliance Compliance

This document is written to serve as verification that all NSF Electrical conduit products produced at Atkore HDPE & Conduit plants will meet all requirements set for by the production standard UL 651A. This will mean that all NSF Electrical conduit products will meet any dimensional, testing, and production needs set forth by UL 651A. Also stated in UL 651A, all NSF Electrical conduit products will meet or exceed the cell classification of PE334480C or PE334480E which are described in ASTM D3350.

Below are the relevant cell classification properties and requirements as listed in ASTM D3350 and their correspondence fo UL 651A.

Property	Cell Classification Limit	Requirement
Density (g/cm^3)	3	0.940-0.947
Melt Index	3	0.15-0.40
Flexural Modulus (psi)	4	>80,000
Tensile Strength (psi)	4	>3000
Slow Crack Growth Resistance	8	An ESCR as per condition B, 10% IGEPAL requirement of F10>96 hrs is allowable
Hydrostatic Design Basis	0	Non-Pressure Rated
UV Resistance	C/E	Stabilized with between 2%-4% by weight carbon black (C) or colored with UV Stabilizer (E)

Signature: William Cornell

Date: 6/1/2023

Alexander Steven Faulkner
Manufacturing Support Engineer
HDPE Pipe & Conduit

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ASTM F2160 Cell Classification Certificate of Compliance Compliance

This document is written to serve as verification that all general conduit products produced at Atkore HDPE & Conduit plants will meet all requirements set for by the production standard ASTM F2160. This will mean that all general conduit products will meet any dimensional, testing, and production needs set forth by ASTM F2160. Also stated in ASTM F2160, all general conduit products will meet the cell classification of PE334480C or PE334480E which are described in ASTM D3350.

Below are the relevant cell classification properties and requirements as listed in ASTM D3350 and their correspondence fo ASTM F2160.

Property	Cell Classification Limit	Requirement
Density (g/cm^3)	3	0.940-0.947
Melt Index	3	0.15-0.40
Flexural Modulus (psi)	4	>80,000
Tensile Strength (psi)	4	>3000
Slow Crack Growth Resistance	8	An ESCR as per condition B, 10% IGEPAL requirement of F10>96 hrs is allowable
Hydrostatic Design Basis	0	Non-Pressure Rated
UV Resistance	C/E	Stabilized with between 2%-4% by weight carbon black (C) or colored with UV Stabilizer (E)

Signature: William Cornsil

Date: 6/1/2023

Alexander Steven Faulkner
Manufacturing Support Engineer
HDPE Pipe & Conduit

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Atkore HDPE Pipe & Conduit certifies that NSF Electrical conduit product is manufactured in our company's factories on factory production equipment, and that these products are manufactured in accordance with our published literature, specification sheets, and the following standards:

HDPE NSF Electrical Conduit

Buy America Act
Buy American Compliant
UL 651A – High Density Polyethylene Conduit
ASTM D792 - Density– 0.941-0.947 g/cm^3
ASTM D1238 - Melt Index – 0.15 - <0.40
ASTM D2122 – Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D4218 - Carbon Black Content 2%-4% (Black Pipe Only)
ASTM D2412 - External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D1693 – Environmental Stress Cracking - Condition B, 10% Igepal F10 > 96 hr
NEMA TC-7 – Smooth Wall Coilable Electrical Polyethylene Conduit

Signature: William Cornell

Date: 6/1/2023

Sincerely,
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