

Schedule 40 PVC Rigid Conduit For Electrical Systems

americanlite.[®]

We light your world™



Schedule 40 PVC Rigid Conduit For Electrical Systems

Americanlite® offers a complete line of Schedule 40 and 80 Rigid PVC conduit for Electrical Systems.

For commercial, industrial, and utility usage, Americanlite® Schedule 40 PVC Rigid Conduits are proven durable and effective for years of maintenance-free performance in underground, encased and exposed applications in accordance with the Electrical Code in the USA with 50 years of life service.

Americanlite® corrosion proof Schedule 40 PVC Rigid Conduit are resistant to most chemicals; our PVC is typically not affected by corrosive soils or salts. With Self-Extinguishing properties Americanlite® Schedule 40 PVC Rigid Conduits are fire resistant.

Americanlite® Schedule 40 PVC Rigid Conduit are non-magnetic & non-galvanic, providing good insulation and no power loss or conductor heating. Impact resistant, making them tough, durable, with high tensile strength, yet easy to handle and install right on the jobsite.

Ordering information

Item	Size (in)	Length (m)	Outer Ø (in)	Inner Ø (in)	Min Thickness (in)	Weight (kgs)
AL450000	1/2	3.05	0.840	0.622	0.109	0.81
AL450001	3/4	3.05	1.050	0.824	0.113	1.08
AL450002	1	3.05	1.315	1.049	0.133	1.59
AL450007	1 1/4	3.05	1.660	1.380	0.140	2.15
AL450003	1 1/2	3.05	1.990	1.610	0.145	2.57
AL450004	2	3.05	2.375	2.067	0.154	3.44
AL450005	2 1/2	3.05	2.875	2.469	0.203	5.46
AL450008	3	3.05	3.500	3.068	0.213	7.13
AL450009	3 1/2	3.05	4.000	3.545	0.226	8.56
AL450006	4	3.05	4.500	4.026	0.237	10.12
AL450010	5	3.05	5.563	5.047	0.258	13.68
AL450011	6	3.05	6.625	6.065	0.280	17.73
AL450012	8	3.05	8.625	7.942	0.322	25.18

Notes

Manufactured in accordance:
 • ANSI/UL 651 (Test #TH2204184-C01-R01)
 • NEMA TC-2
 • Rated for use with 90° Conductors
 • ISO 9001: 2000 registered

Product Advantages:
 • Suitable for above & underground installations
 • Corrosion proof: Resistant to most chemicals
 • Sunlight resistant
 • Non-magnetic & non-galvanic
 • High tensile strength

Electrical Properties
 • Dielectric Strength volts/mil = 1100
 • Dielectric Constant 60 CPS @ 30°C = 4
 • Power Factor 60 CPS @ 30 ° C = 1.93

Thermal Properties:
 • Coefficient of Thermal Expansion -in /in/ ° C = 5.13 x 10-5
 • Coefficient of Thermal Expansion -in /in / ° F = 3.0 x 10-5
 • Deflection Temp. ° F Under Load: @ 264 psi = 140 ° F
 • Thermal Conductivity: BTU (hr) (ft) (° F/in) = 1.3

Mechanical Properties:
 • Specific Gravity = 1.4 - 1.7
 • Tensile Strength (psi) @ 73.4 ° F = 5,000
 • Izod Impact -ft lbs /in of notch = 0.65 - 1.50
 • Flexural Strength (psi) = 12,500
 • Comprehensive Strength (psi) = 9,000
 • Hardness (Durometer D) = 95

Fire Resistance Properties:
 • Self Extinguishing
 • Flame Spread = 10
 • Smoke Development = 330

Packing information

Model	Pieces per bundle	Weight per bundle (KGS)	CBM per bundle
1/2	25	20.25	0.055
3/4	20	21.60	0.064
1	10	15.90	0.049
1 1/4	6	12.90	0.044
1 1/2	5	12.85	0.047
2	4	13.76	0.057
2 1/2	2	10.92	0.042

Model	Pieces per bundle	Weight per bundle (KGS)	CBM per bundle
3	2	14.26	0.061
3 1/2	1	8.56	0.039
4	1	10.12	0.049
5	1	13.68	0.073
6	1	17.73	0.102
8	1	25.18	0.169

Conduit Outlet Body "C"

PVC



Item Number	Size	Master QTY
AL605000	1/2"	25
AL605001	3/4"	15
AL605002	1"	10
AL605003	1 1/4"	10
AL605004	1 1/2"	10
AL605005	2"	5

Conduit Outlet Body "LR"

PVC



Item Number	Size	Master QTY
AL605006	1/2"	190
AL605007	3/4"	150
AL605008	1"	81
AL605009	1 1/4"	10
AL605010	1 1/2"	10
AL605011	2"	5

Conduit Outlet Body "LL"

PVC



Item Number	Size	Master QTY
AL605012	1/2"	190
AL605013	3/4"	150
AL605014	1"	81
AL605015	1 1/4"	10
AL605016	1 1/2"	10
AL605017	2"	5

Conduit Outlet Body "LB"

PVC



Item Number	Size	Master QTY
AL605018	1/2"	222
AL605019	3/4"	140
AL605020	1"	90
AL605021	1 1/4"	48
AL605022	1 1/2"	33
AL605023	2"	18
AL605024	2 1/2"	10
AL605025	3"	8
AL605026	4"	6

Conduit Outlet Body "T"

PVC



Item Number	Size	Master QTY
AL605027	1/2"	204
AL605028	3/4"	124
AL605029	1"	72
AL605030	1 1/4"	10
AL605031	1 1/2"	27
AL605032	2"	5

Elbow SCH40 90° with Plain End PVC



Item Number	Size	Master QTY
AL605033	1/2"	200
AL605034	3/4"	120
AL605035	1"	70
AL605036	1 1/4"	50
AL605037	1 1/2"	57
AL605038	2"	32
AL605039	2 1/2"	20
AL605040	3"	12
AL605041	4"	6

Elbow SCH40 90° with one Bell End PVC



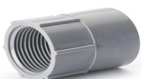
Item Number	Size	Master QTY
AL605042	1/2"	200
AL605043	3/4"	120
AL605044	1"	70
AL605045	1 1/4"	50
AL605046	1 1/2"	57
AL605047	2"	32
AL605048	2 1/2"	32
AL605049	3"	12
AL605050	4"	6

Male Adaptor PVC



Item Number	Size	Inner QTY	Master QTY
AL605051	1/2"	100	1100
AL605052	3/4"	50	750
AL605053	1"	40	200
AL605054	1 1/4"	22	220
AL605055	1 1/2"	28	224
AL605056	2"	/	175
AL605057	2 1/2"	/	110
AL605058	3"	/	65
AL605059	4"	/	80

Female Adaptor PVC



Item Number	Size	Inner QTY	Master QTY
AL605060	1/2"	110	1100
AL605061	3/4"	70	700
AL605062	1"	40	400
AL605063	1 1/4"	22	220
AL605064	1 1/2"	20	180
AL605065	2"	12	108
AL605066	2 1/2"	/	72
AL605067	3"	/	45
AL605068	4"	/	48

Coupling PVC



Item Number	Size	Inner QTY	Master QTY
AL605059	1/2"	95	950
AL605070	3/4"	64	640
AL605071	1"	34	340
AL605072	1 1/4"	20	220
AL605073	1 1/2"	20	160
AL605074	2"	/	112
AL605075	2 1/2"	/	72
AL605076	3"	/	45
AL605077	4"	/	40

Endcap PVC



Item Number	Size	Inner QTY	Master QTY
AL605078	1/2"	105	1050
AL605079	3/4"	75	750
AL605080	1"	40	400
AL605081	1 1/4"	25	250
AL605082	1 1/2"	20	200
AL605083	2"	/	140
AL605084	2 1/2"	/	96
AL605085	3"	/	60

Plastic Box 1-7/8" Deep PVC



Item Number	Size	Master QTY
AL605086	4x2"	150



AL605087	4x4"	160
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AL605088	4x4"	120
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Junction Box PVC



Item Number	Size	Master QTY
AL605089	4x4x2"	80
AL605090	4x4x4"	60
AL605091	6x6x4"	24
AL605092	8x8x4"	18
AL605093	12x12x4"	2
AL605094	12x12x6" (732 cu)	4
AL605095	12x12x6" (858 cu)	2



Warranty

Americanlite® is pleased to provide up to a 1 year limited warranty covering the PVC conduits in this catalogue. Americanlite® warrants that the PVC conduits comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our products are CE, ETL or UL approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed fixtures to determine the cause of failure, excessive lumen depreciation and patterns of usage.