

Power Duct™ Schedule 40 HDPE Duct



Applications

Schedule 40 HDPE duct is used where additional mechanical protection is needed for cable in direct buried applications. It is used for highway lighting, airport lighting, parking lots, sports complexes and utilities as well as telephone, fiber and CATV. It is shipped with sealed ends to prevent entry of moisture and other contaminants.

Ducted systems offer physical and corrosive protection from the underground elements. Schedule 40 duct can be supplied empty, with a pull line or with Draka cables preinstalled. Conductors available include THHN/THWN, EPR-USE, XHHW-2, RHH/RHW-2, XLP-USE, L-824B or C airport lighting cable, fiber optic cable, paired communication/coax cables, aluminum conductors and medium voltage cables.

Specifications and Ratings

- ASTM D-2447 Standard Specification for Polyethylene (PE) Plastic Pipe, Schedule 40 and 80, Based on Outside Diameter
- UL-1990 Non-metallic underground conduit with conductors
- ASTM D3350, meeting Class C, grade PE33 of Standard Specification for Polyethylene Plastics Pipe and Fittings material

Design Parameters

DUCT: High density polyethylene (HDPE) meeting ASTM D3350 with Schedule 40 wall thickness.

COLOR: Black, although custom colors or extruded stripes can be ordered.

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Duct Trade Size in (mm)	Inner Diameter Nominal in (mm)	Wall Thickness Minimum in (mm)	Wall Thickness Tolerance +/- in (mm)	Outside Diameter Nominal in (mm)	Outside Diameter Tolerance +/- in (mm)	Weight Nominal Lbs/Mft (Kg/Km)	Crush Force mlbs/mft	Bend Radius in	Pulling Tension lbs
.75 (19.1)	.804 (20.4)	.113 (2.87)	.02 (.51)	1.05 (26.7)	.13 (3.3)	156	n/a	13	n/a
1.0 (25.4)	1.03 (26.2)	.133 (3.37)	.02 (.51)	1.31 (33.4)	.13 (3.3)	228	1200	14	1000
1.25 (31.8)	1.36 (34.5)	.140 (3.56)	.02 (.51)	1.66 (42.2)	.13 (3.3)	308	1110	17	1100
1.50 (38.1)	1.59 (40.4)	.145 (3.68)	.02 (.51)	1.90 (48.3)	.15 (3.8)	367	1025	19	2611
2.00 (50.8)	2.05 (52.1)	.154 (3.91)	.02 (.51)	2.38 (60.3)	.15 (3.8)	500	850	24	3634
2.50 (63.5)	2.54 (62.2)	.203 (5.16)	.024 (.61)	2.88 (73.0)	.18 (4.6)	778	1351	28	n/a
3.00 (76.2)	3.04 (77.3)	.215 (5.49)	.026 (.66)	3.50 (88.9)	.20 (5.1)	1015	1495	42	n/a

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

These specifications are subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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