

Power Duct™ TC7 HDPE Duct

Direct burial duct with CIC options



Applications

TC7 HDPE duct is used where additional physical and corrosive protection is required for cable in direct buried applications. TC7 HDPE duct is used for highway lighting, airport lighting, parking lots, sports complexes and utility applications and can house power, telephone, fiber and CATV cables. It is shipped with sealed ends to prevent entry of moisture and other contaminants.

TC 7 duct can be supplied empty, with a pull line, or with Draka Cableteq 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, twisted pair and coaxial communication cables, aluminum conductors and medium voltage cables.

Specifications and Ratings

- ASTM D3485 – Standard specification for smooth wall coilable polyethylene (PE) conduit (duct) for preassembled wire and cable
- HDPE meets the requirements (Class C, Grade PE33) of ASTM D3350 – 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.

Prysmian Group

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Sales and Distribution:

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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)	.910 (23.1)	.06 (1.5)	.02 (.51)	1.05 (26.7)	.12 (3.0)	98	1000	13	450
1.00 (25.4)	1.15 (29.2)	.075 (1.9)	.02 (.51)	1.31 (33.4)	.12 (3.0)	147	375	14	550
1.25 (31.8)	1.44 (36.6)	.10 (2.5)	.02 (.51)	1.66 (42.2)	.12 (3.0)	236	530	17	600
1.50 (38.1)	1.65 (41.8)	.115 (2.9)	.02 (.51)	1.90 (48.3)	.12 (3.0)	305	625	19	1608
2.00 (50.8)	2.07 (52.6)	.145 (3.7)	.02 (.51)	2.38 (60.3)	.12 (3.0)	476	750	24	1700
2.50 (63.5)	2.45 (62.2)	.203 (5.2)	.02 (.51)	2.88 (73.0)	.12 (3.0)	772	n/a	28	n/a
3.00 (76.2)	3.05 (77.5)	.216 (5.5)	.02 (.51)	3.50 (88.9)	.12 (3.0)	1005	n/a	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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