GILA-Duct

(Galvanized InterLocking Armor)

Applications

GILA-Duct® is a specially manufactured HPDE duct that is used where additional mechanical protection of cable is of primary importance. Suitable for both aerial and buried installations, this construction combines the protection of a metal armor with the low cable pulling friction and the low dielectric constant of HDPE.

GILA-Duct can be supplied empty, with a pull line, or with Draka cables presinstalled. It is shipped with sealed ends to prevent entry of moisture and other contaminants.

Conductors available include THHN/THWN, EPR-USE, XHHW-2, RHH/RHW-2, XLP-USE, L-824 B or C airport lighting cable, fiber optic cable, paired communication/coax cables, aluminum conductors and medium voltage cables.

Tests have shown that the average lightning resistivity of GILA-Duct is up to 200kV.

Features

MADE IN THE USA

1. INNER DUCT

Black high density polyethylene (HDPE) meeting ASTM 3350 requirements with TC-7 wall thickness.

2. ARMOR

Galvanized steel tape 25 mils thick, interlocked and helically applied.

3. JACKET

60 mil thick HDPE meeting ASTM 3350, nominally orange or black but can be colored to your specifications.

4. SURFACE MARKING

The jacket surface shall be printed or indented with: DRAKA CABLETEQ USA-PA TAMAQUA CABLE GILA-DUCT (size of duct, i.e. 1.25 inch), year of manufacture (i.e. 2010) sequential footage every two feet.

Ratings

The duct is composed of black (other colors available), high-density polyethylene meeting the requirements (Class C, Grade PE33) of ASTM 3350 – Standard Specification for Polyethylene Plastics Pipe and Fittings Material.

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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 mft/mlbs	Crush Force lbs/ft	Bend Radius Nominal in	Pulling Tension lbs
0.75 (19.1)	.910 (23.1)	.06 (1.5)	.02 (.51)	.06 (1.5)	1.41 (35.8)	672	4000	17	n/a
1.00 (25.4)	1.15 (29.2)	.075 (1.9)	.02 (.51)	.06 (1.5)	1.74 (44.2)	927	4050	21	1403
1.25 (31.8)	1.44 (36.6)	.10 (2.5)	.02 (.51)	.06 (1.5)	2.10 (53.3)	1191	2900	25	1685
1.50 (38.1)	1.65 (41.8)	.115 (2.9)	.02 (.51)	.06 (1.5)	2.34 (59.4)	1375	2850	28	3402
2.00 (50.8)	2.07 (52.6)	.145 (3.7)	.02 (.51)	.06 (1.5)	2.75 (69.9)	1785	4218	33	4218
3.00 (76.2)	3.05 (77.5)	.210 (5.7)	.02 (.51)	.06 (1.5)	4.10 (104)	2952	6011	49	6011

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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