



Draka

HiTensile Duct

HDPE duct with Kevlar® reinforcement



Applications

Draka HiTensile duct is a heavy duty duct designed specifically for use when installing fiber optic cable over long distances. This Kevlar®-reinforced high-density polyethylene (HDPE) duct has a pulling tension that far exceeds that of the most robust cable. Pre-installing cable in HiTensile duct offers real benefits both during installation and in the long term life of the cable. It is shipped with sealed ends to prevent entry of moisture and other contaminants.

In buried installations, cable length may be limited because the anticipated pulling force may exceed what the cable can bear. However, HiTensile duct can withstand a much greater pulling effort and makes possible easier and longer splice-free runs (2,500 feet or more) of pre-installed cable.

When aerially installed cable is directly attached to a messenger cable, the difference in their expansion rates may result in cable damage. HiTensile duct helps to prevent the fiber in pre-installed cable from micro-fracturing caused during thermal expansion and contraction.

HiTensile duct may be used to protect cable types other than fiber optic. It is available in 1 inch and 1 1/4 inch sizes and may be specified in a medium (2000 lbs.) and heavy (4,500 lbs.) pulling tension.

Features

1. DUCT

High density polyethylene (HDPE) duct reinforced by strands of aramid yarn strands extruded in the duct wall.

2. COLOR

Black, although custom colors can be ordered.

®Kevlar is a registered trademark of Dupont.



HiTensile Duct

HDPE duct with Kevlar® reinforcement

| Nominal Duct Size in (mm) | Nominal ID of Duct in (mm) | Nominal Wall Thickness in (mm) | Nominal Duct O.D. in (mm) | Nominal Duct Weight in (mm) | Pulling Tension force/lbs | |
|---------------------------|----------------------------|--------------------------------|---------------------------|-----------------------------|---------------------------|---------|
| | | | | | Medium | Heavy |
| 1.00 (25.4) | 1.00 (25.4) | 0.188 (4.78) | 1.375 (34.9) | 303 (451) | 2000lbs | 4500lbs |
| 1.25 (31.8) | 1.26 (32.6) | .20 (5.08) | 1.660 (42.1) | 400 (596) | 2000lbs | 4500lbs |

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.

Draka Engineered Specialties

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | Tel +1-508-822-5444
761 Joseph E. Warner Blvd. | Taunton, MA 02780 | Tel +1-508-822-5444
One Tamaqua Blvd. | Schuylkill Haven PA 17972 | Tel +1-570-385-4381

For sales and technical information, contact:

Draka Engineered Specialties | 1-800-233-3190 | 1-570-385-4381 | 1-570-385-1092 fax | www.drakausa.com