MICROTECHNOLOGY

# MICRODUCT LOCATABLE

- Locatable MicroDuct drop
- Multiple sizes to accommodate a wide variety of fiber cables from 1.2mm - 11mm OD and select flat drops
- Larger sizes to fit pre-connectorized drops
- Ruggedized with oversheath for harsh conditions
- Available in continuous lengths to facilitate placement
- Permanent SILICORE ULF® lining to reduce friction and ease drop placement

## INSTALLATIONS

Plow
Trench
Directional Bore
MicroTrench

## SIZE RANGE AVAILABLE (OD/ID MM)

| | | |
|---|---|---|
| 7/4 | 14/10 | 22/16 |
| 8.5/6 | 16/12 | 27/20 |
| 12.7/8 | 18/10 | |
| 12.7/10 | 18/14 | |

## STANDARD COLORS

Custom colors available

## FEATURES

### STANDARD

**SPECIFICATIONS/DETAILS** MicroDucts are smaller diameter conduit, manufactured from flexible HDPE (High Density Polyethylene). Includes a 20 AWG insulated copper wire

**FILL RATIO** Choose the correct MicroDuct size based on the Outer Diameter (OD) of desired MicroCable. Dura-Line recommends a fill ratio of 50% to 75% for optimal cable placement performance. Several factors impact jetting distance including the condition of route, bends, and equipment.

**CONDUIT MARKINGS** Permanent marking along MicroDuct includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

**CO-EXTRUDED LINING** SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions.

**INTERNAL RIBS** Standard (except 3.5mm ID which are designed with a standard smooth interior)

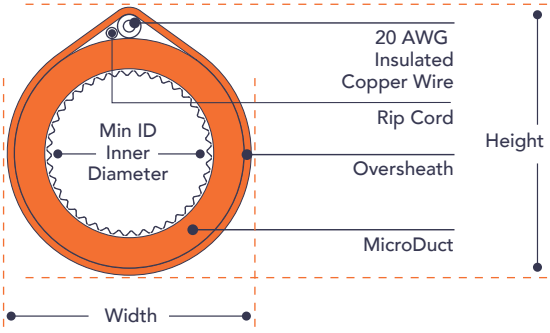
**RIP CORDS** For easy opening of the oversheath

### OPTIONS

**PRE-INSTALLED STRING** Factory pre-installed Pull String available in MicroDucts to aid in cable placement.

**PRE-INSTALLED FIBER** Fiber cable or cordage can be factory pre-installed in MicroDucts

## MICRODUCTS LOCATABLE TECHNICAL SPECIFICATIONS




| MICRODUCT SIZE (MM) | MIN ID (MM/IN) | HEIGHT (MM) | WIDTH (MM) | OVERSHEATH (IN) | WEIGHT (LB/FT) | BEND RADIUS SUP (IN) | BEND RADIUS UNSUP (IN) | SWPS (LBS) |
|---|---|---|---|---|---|---|---|---|
| 7/4 | 3.7/0.15 | 9.3 | 7.8 | 0.015 | 0.024 | 4 | 7 | 130 |
| 8.5/6 | 5.9/0.23 | 11.7 | 10.2 | 0.030 | 0.033 | 5 | 10 | 178 |
| 12.7/8 | 7.8/0.31 | 15.2 | 13.5 | 0.015 | 0.061 | 6 | 12 | 328 |
| 12.7/10 | 9.8/0.39 | 15.2 | 13.5 | 0.015 | 0.041 | 6 | 12 | 216 |
| 14/10 | 9.8/0.39 | 16.7 | 15.0 | 0.020 | 0.065 | 7 | 14 | 346 |
| 16/12 | 11.6/0.46 | 18.8 | 17.0 | 0.020 | 0.074 | 8 | 16 | 392 |
| 18/10 | 10.0/0.39 | 20.4 | 18.8 | 0.015 | 0.124 | 12 | 20 | 677 |
| 18/14 | 13.6/0.54 | 20.8 | 19.1 | 0.020 | 0.083 | 9 | 18 | 445 |
| 22/16 | 15.5/0.61 | 25.0 | 23.3 | 0.025 | 0.146 | 15 | 25 | 779 |
| 27/20 | 20.7/0.81 | 29.7 | 27.9 | 0.025 | 0.168 | 18 | 29 | 898 |

† Safe working pull strength is calculated at 80% of tensile or breaking strength
* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.