Digital Tools Training

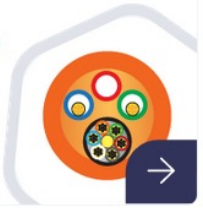
Digital Tools and Calculators

Take a look at our new digital tools and discover what MicroTechnology can do for your next project!

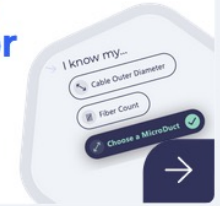
Product Wizard

Comparison Tool

OverRide Calculator



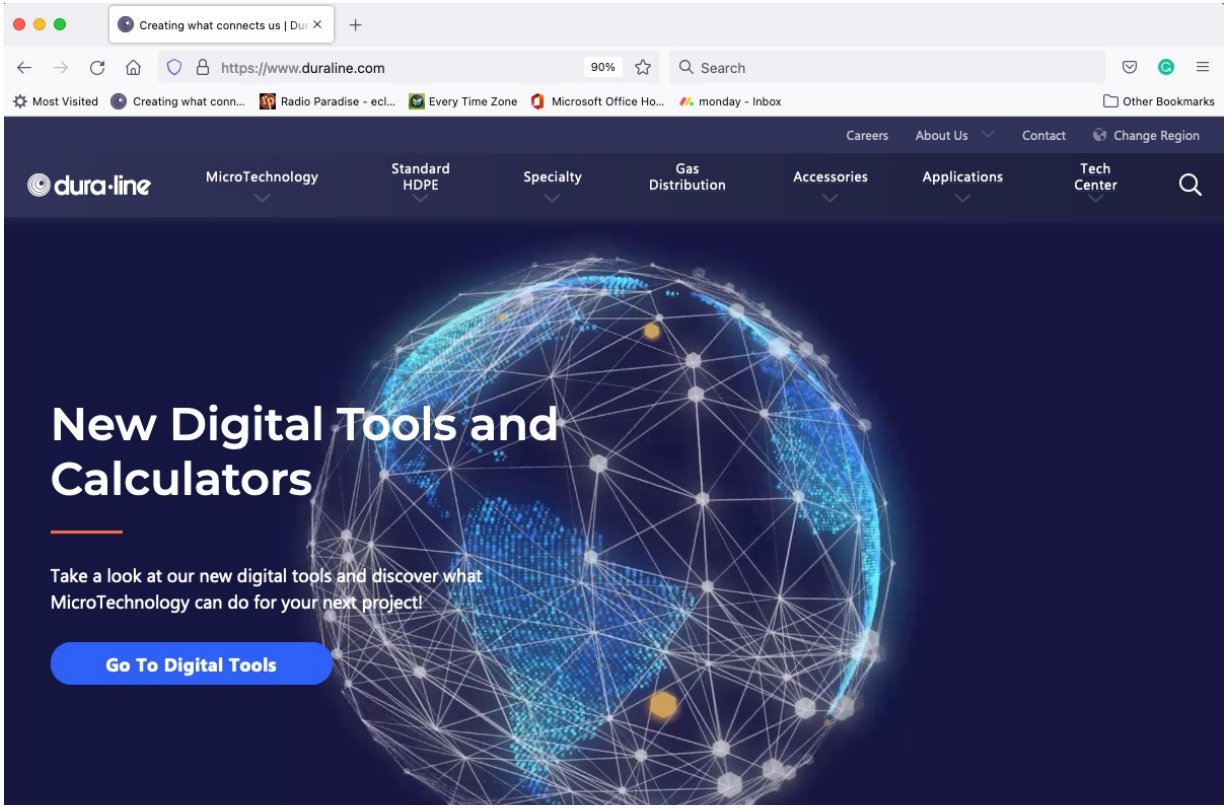
Fill Ratio Calculator



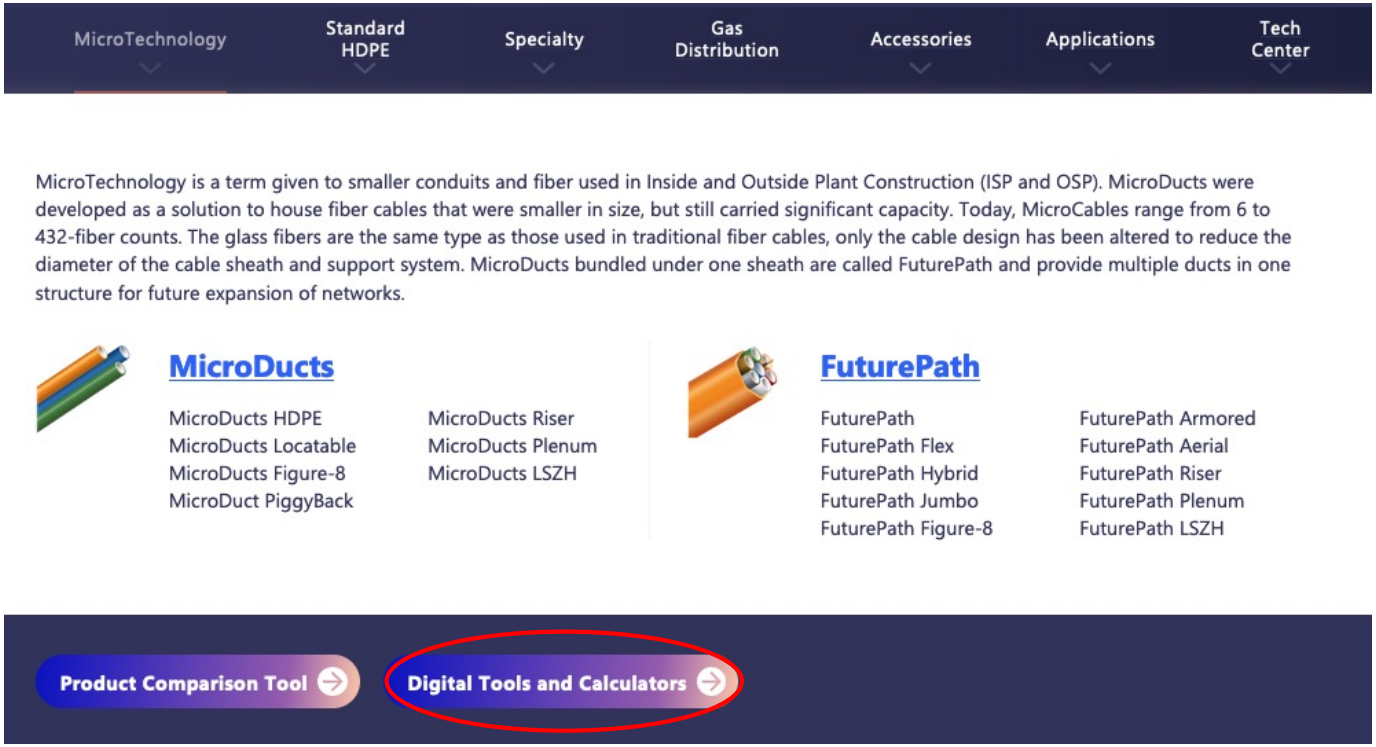
- New set of Tools to help choose Micro Products
- Live on website today!
- Many ways to access and use!

How do I find the Digital Tools?

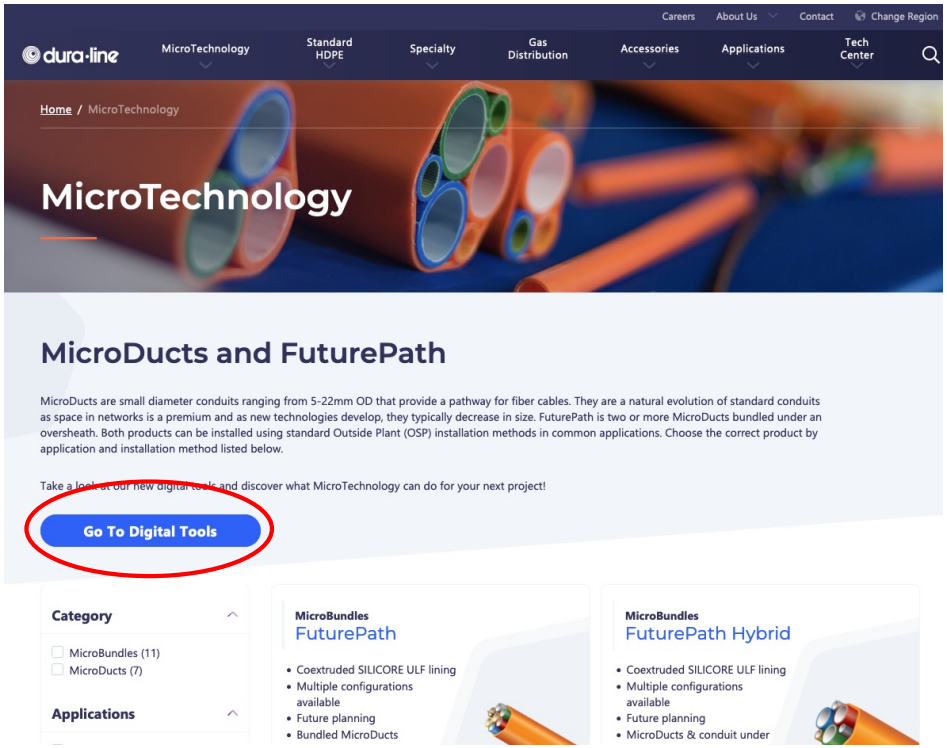
Home Page Promotion



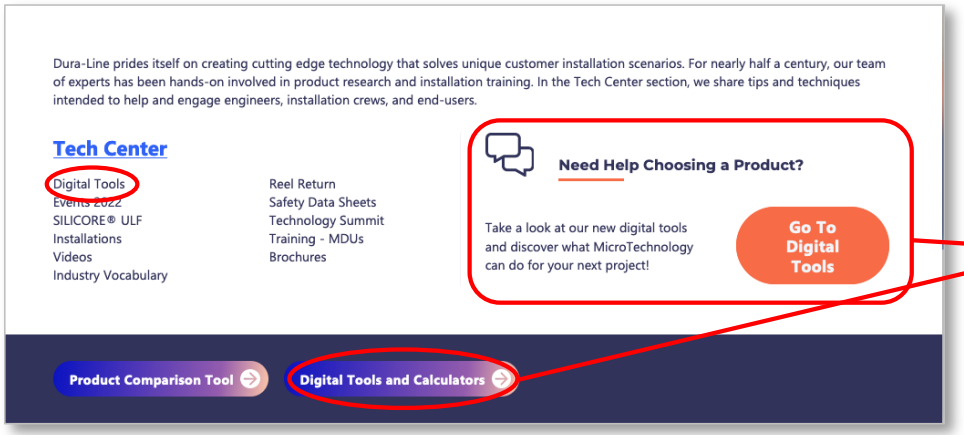
Bottom of Drop – Down Menus

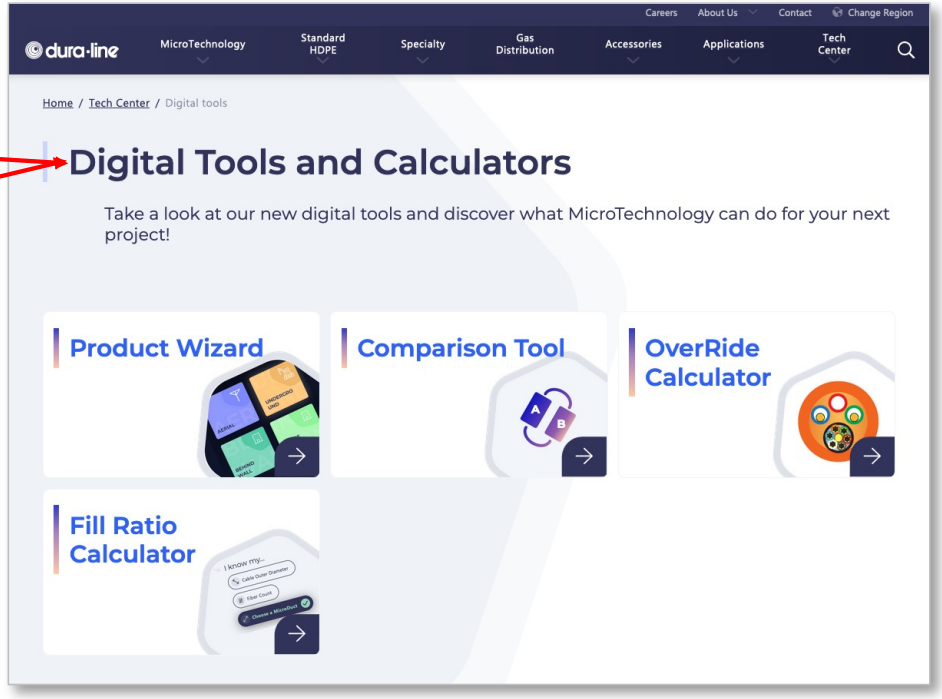


Product Lister Page



Tech Center (Drop-Down + Full Page)

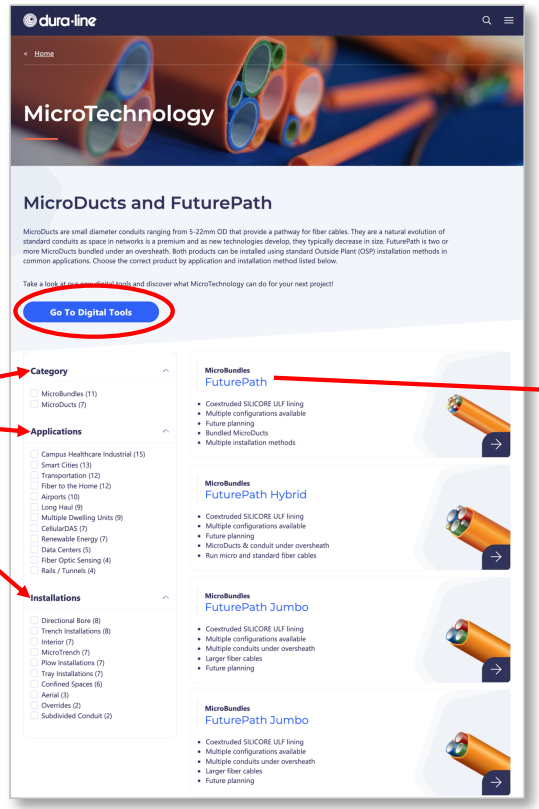


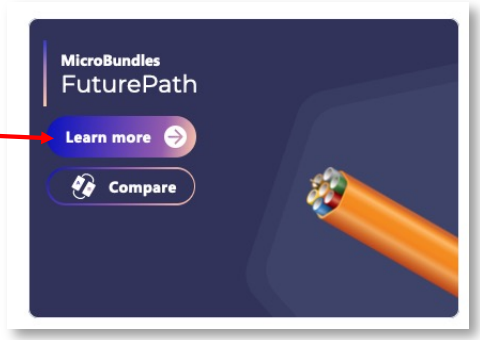


Product Lister Page

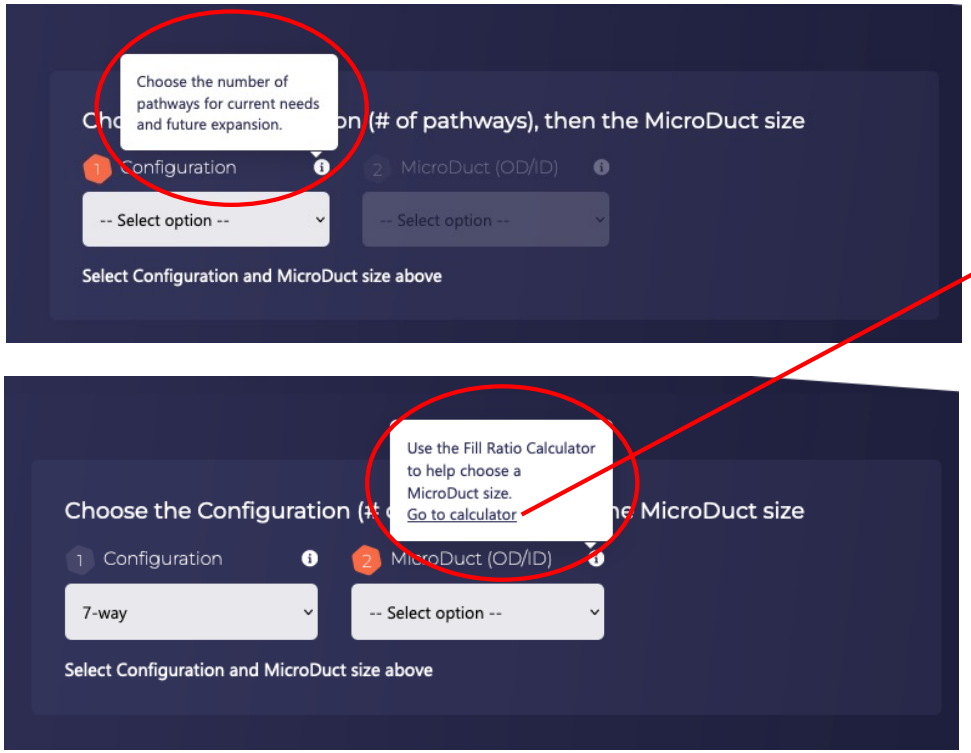
Product Lister

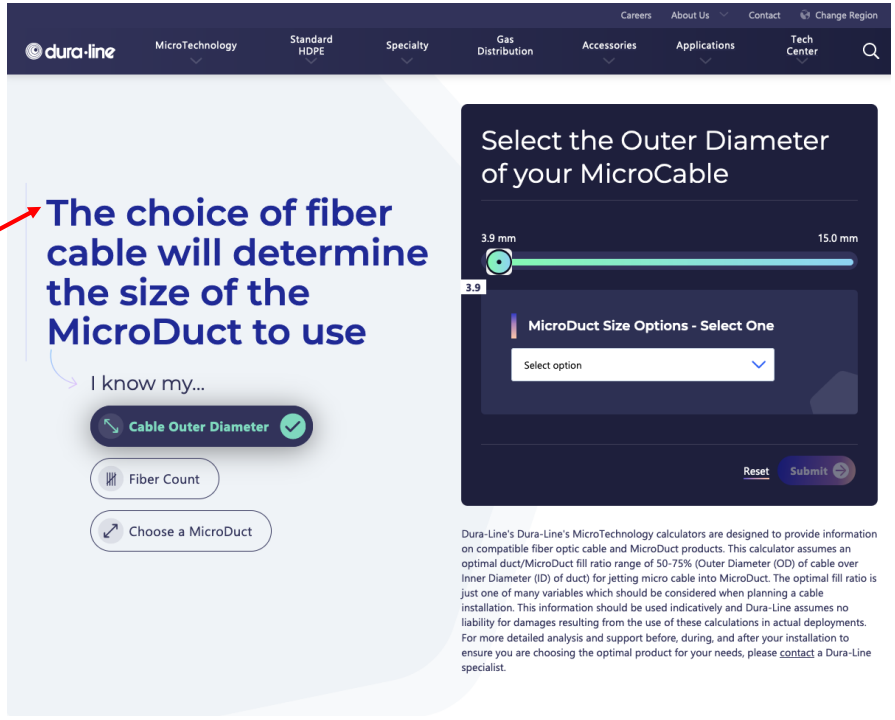
Faceted Search to help narrow down product selection



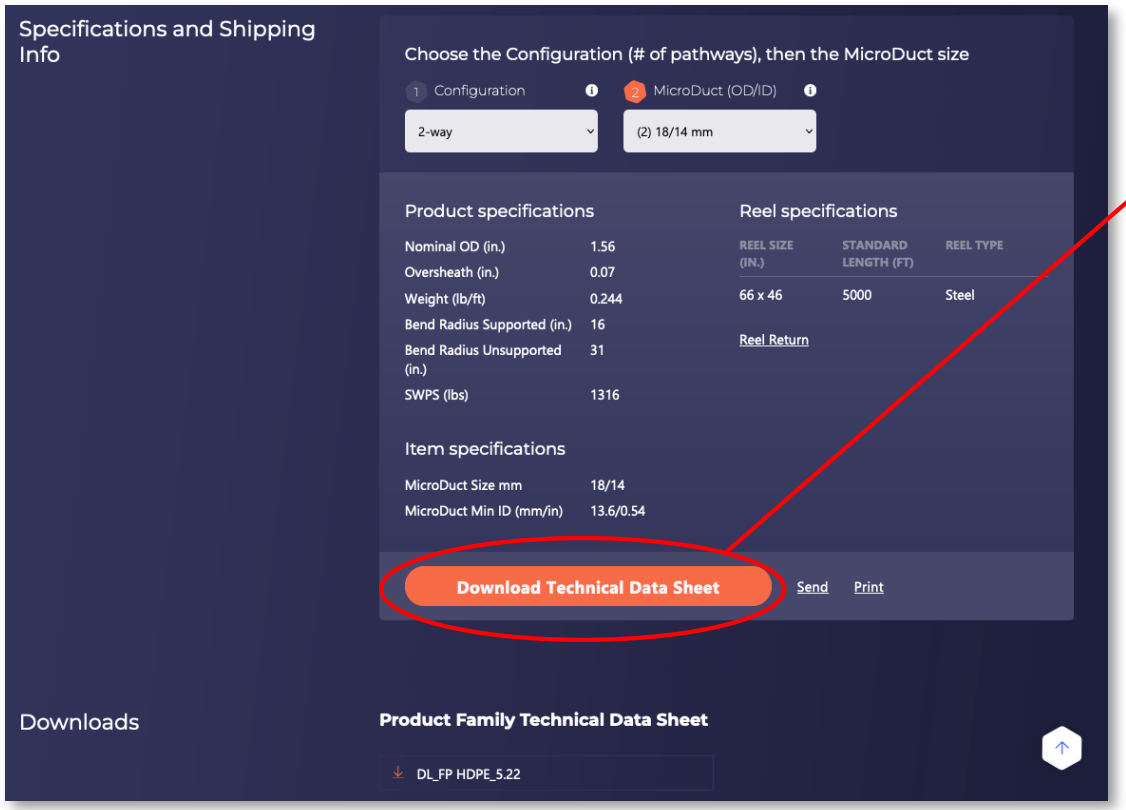


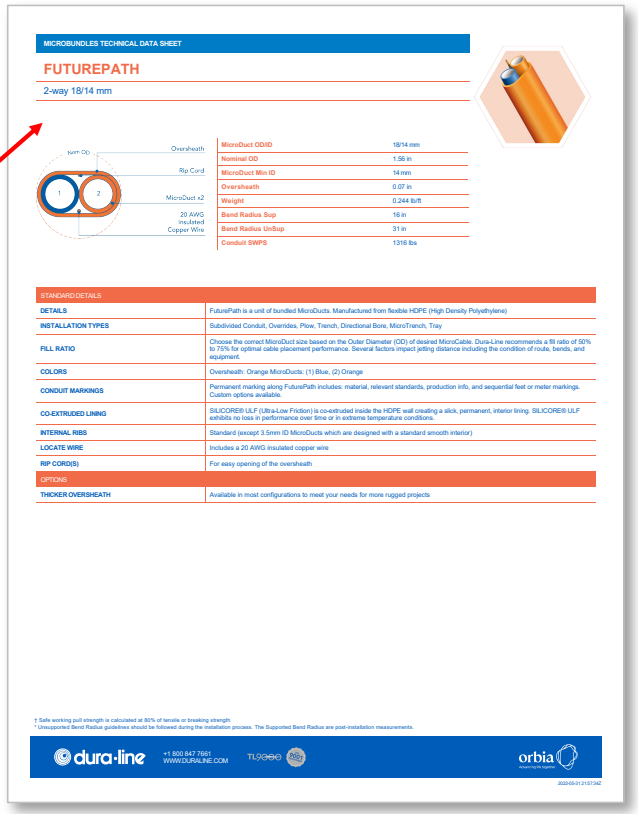
Product Page – Configurator ”Tool Tip”





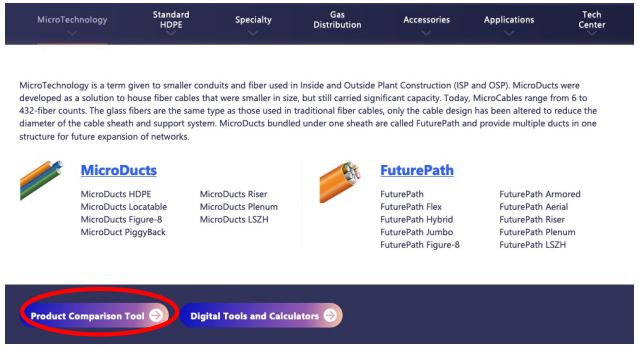
New “Technical Data Sheet” (TDS)





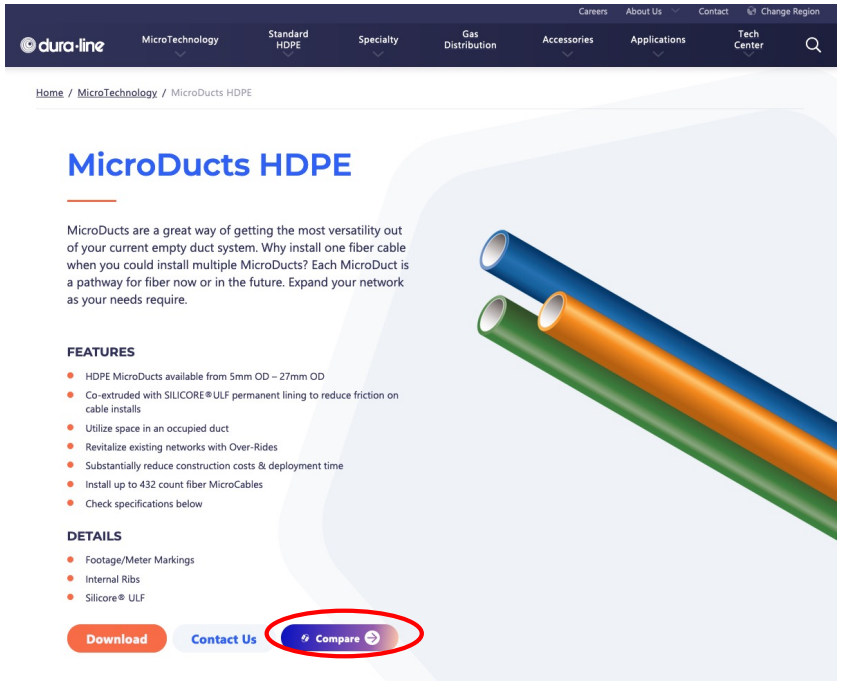
Product Comparison Tool

Comparison Tool – Where to Find?

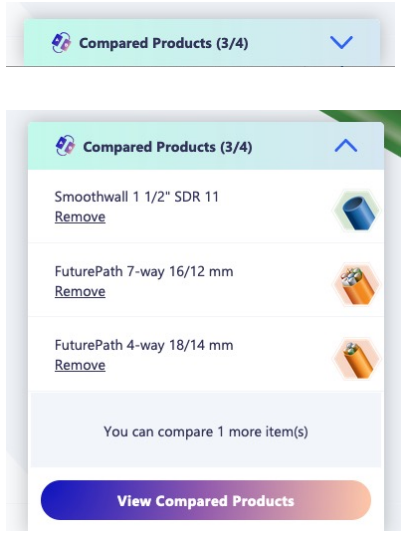


Bottom of Drop Down

Product Lister

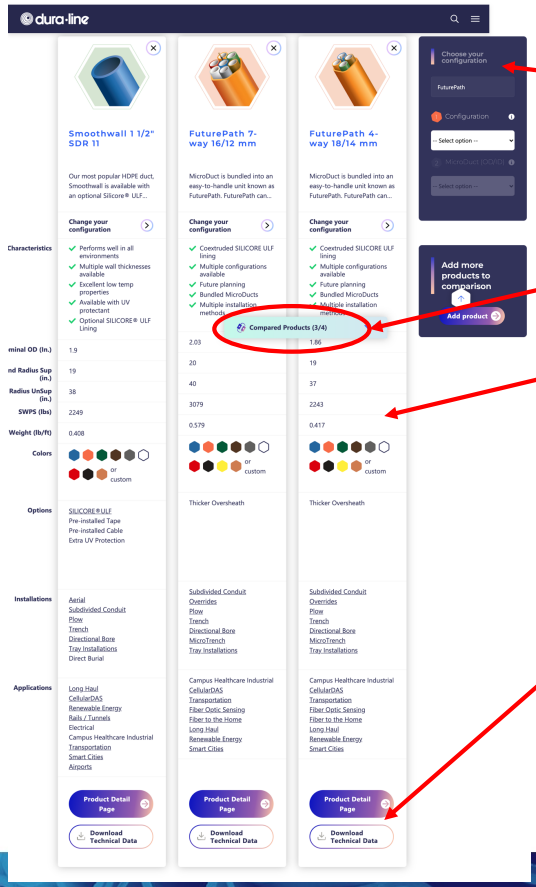


Product Page



"Pop-Up" once a product has been added to the Comparison tool

Product Comparison



Can compare up to 4 Products

Can use the Pop-up to navigate back to selected Products

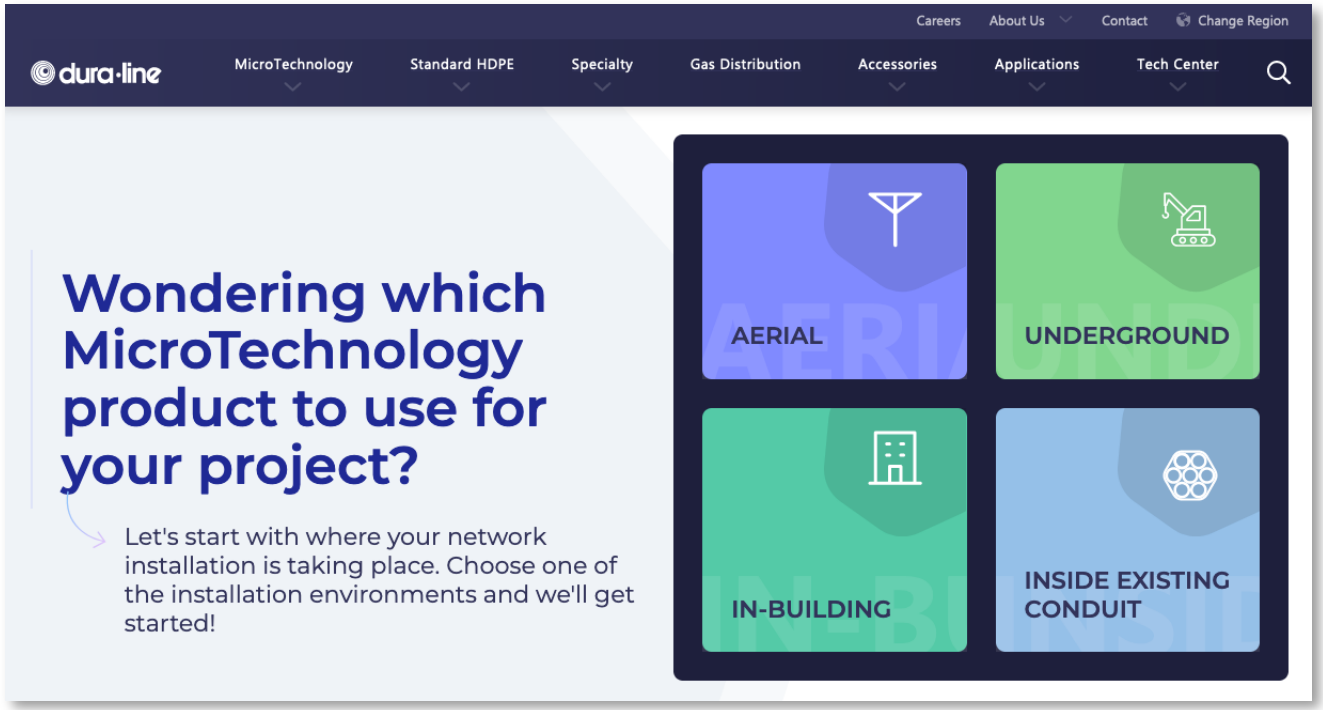
Quick glance at high-level specifications and options

Can download TDS or go to Product Page

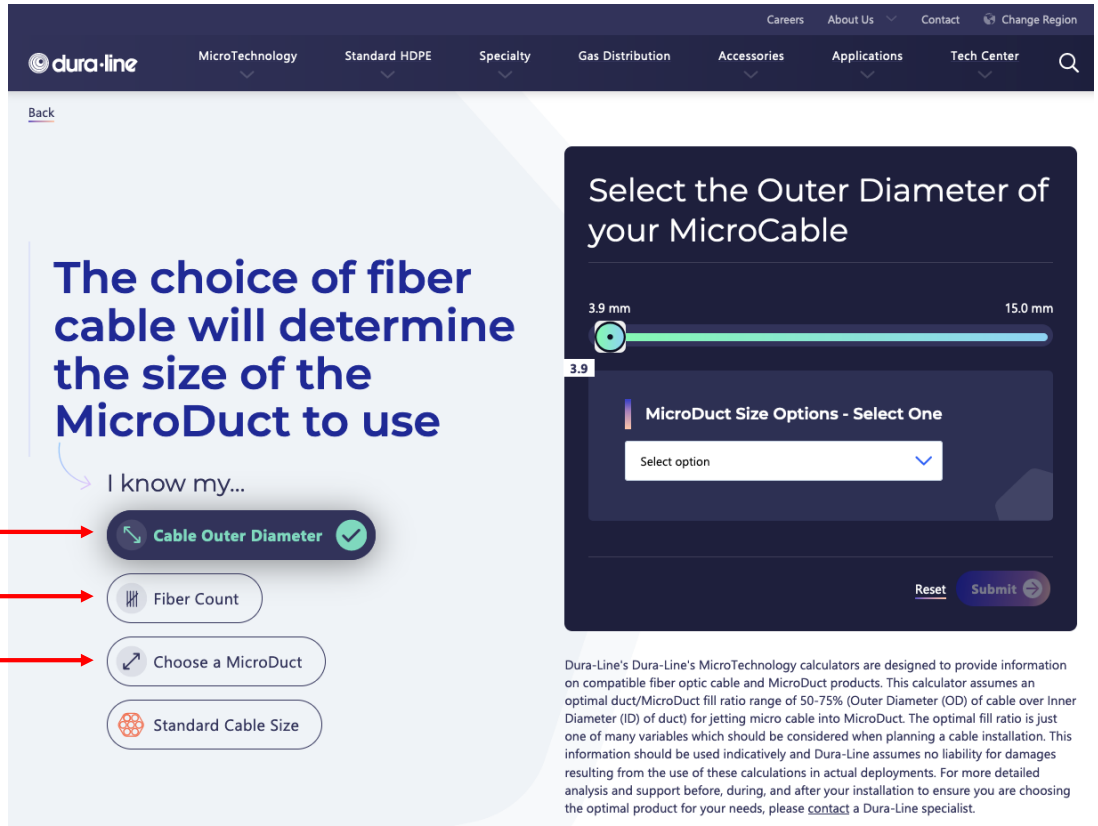
Product Wizard

Used to help select the right MicroTechnology Product

Product Wizard – Under Tech Center



Step #1 – Choose Fiber Cable

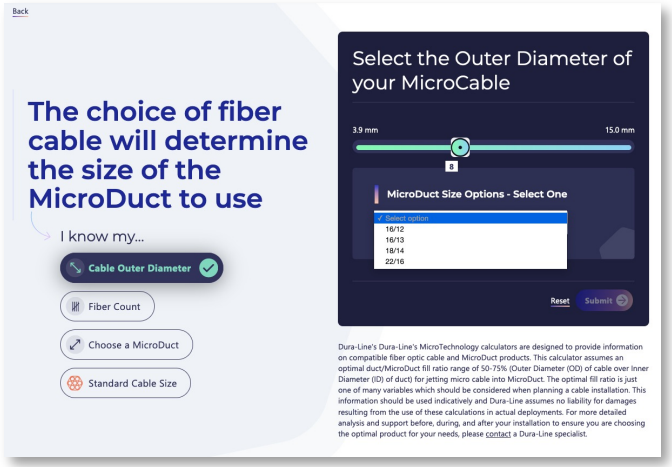


It all starts with the Fiber choice!

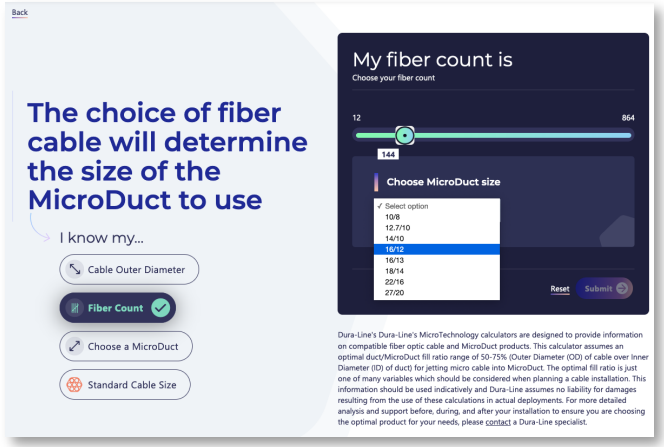
Choose either:

- Cable OD
- Fiber Count
- MicroDuct Size

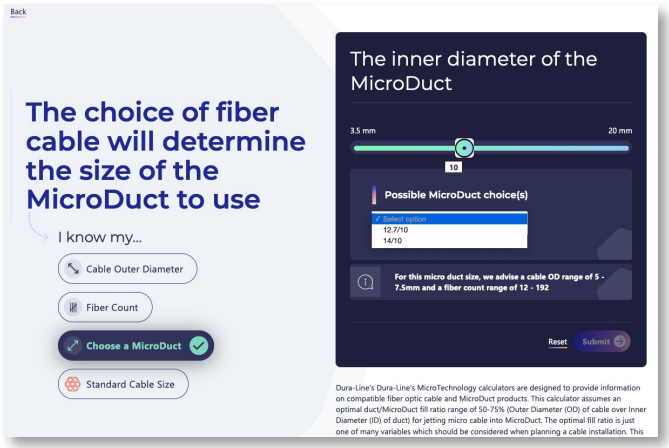
Step #1 – Choose Fiber Cable – 3 Ways!



Cable Outer Diameter

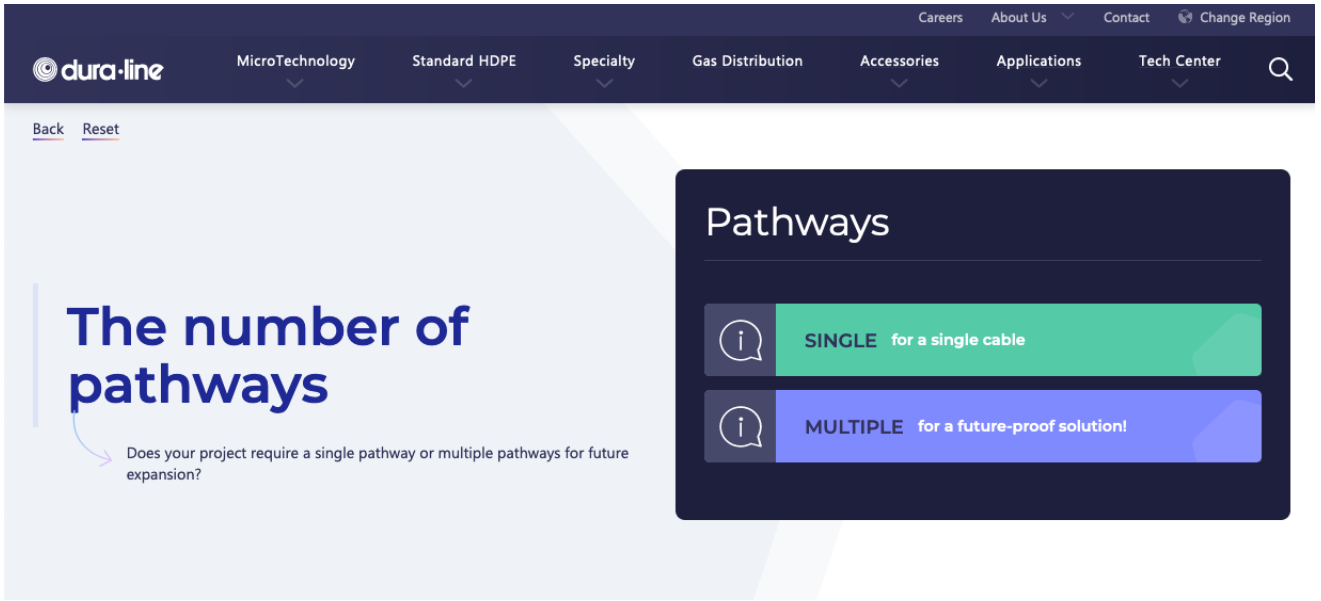


Fiber Count

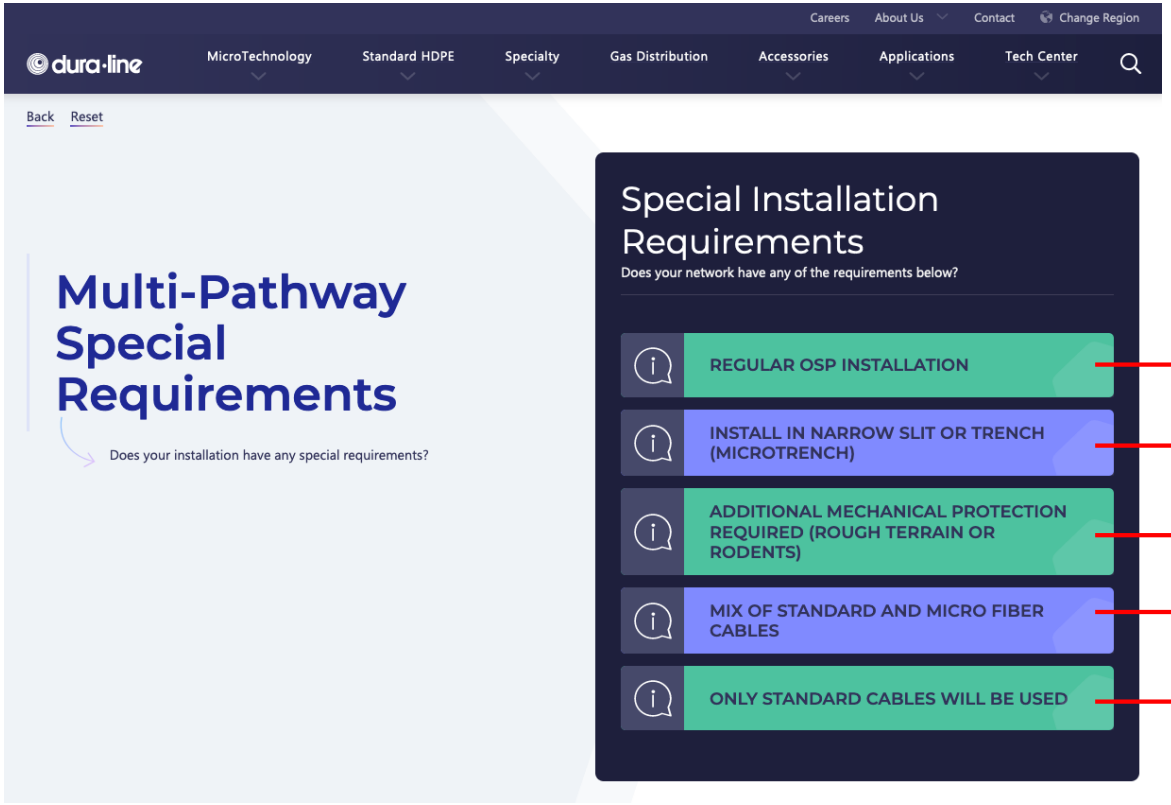


MicroDuct Size

Step #2 – Choose # of Pathways



Step #3 – Choose Installation Requirements



→ FuturePath

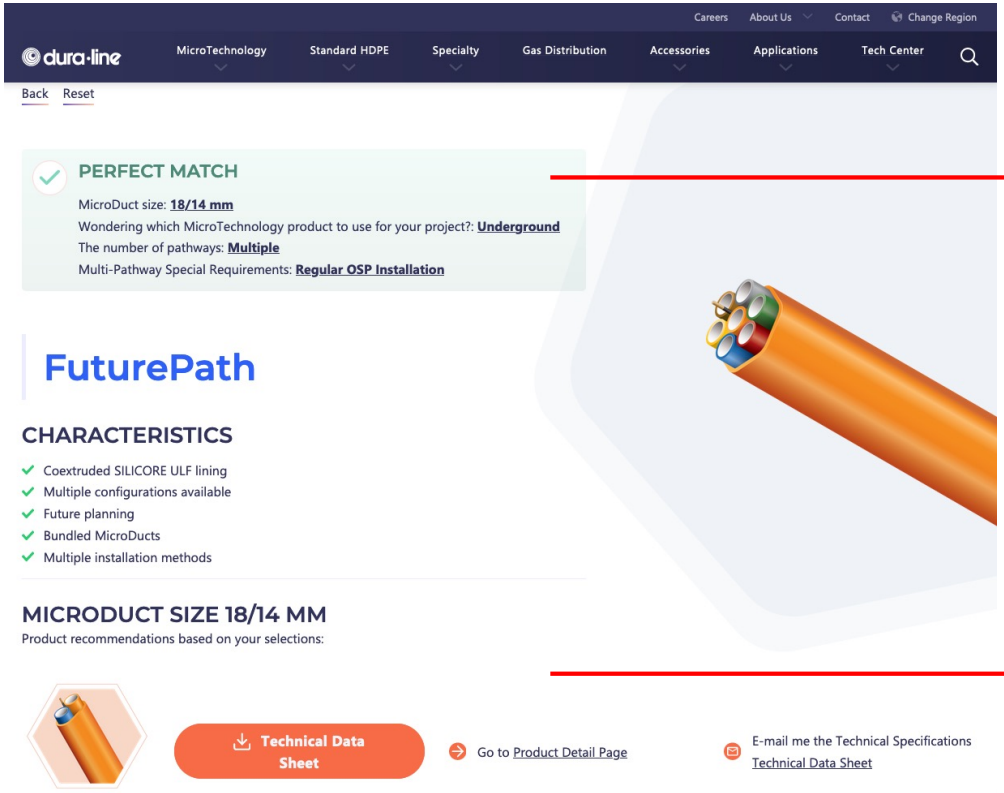
→ FuturePath Flex

→ FuturePath Armored

→ FuturePath Hybrid

→ FuturePath Jumbo

Product Recommendation!



You can go back and change any choices

Choose exact “configuration” desired below

Product Recommendation!

Download the specific Technical Data Sheet for the chosen Product

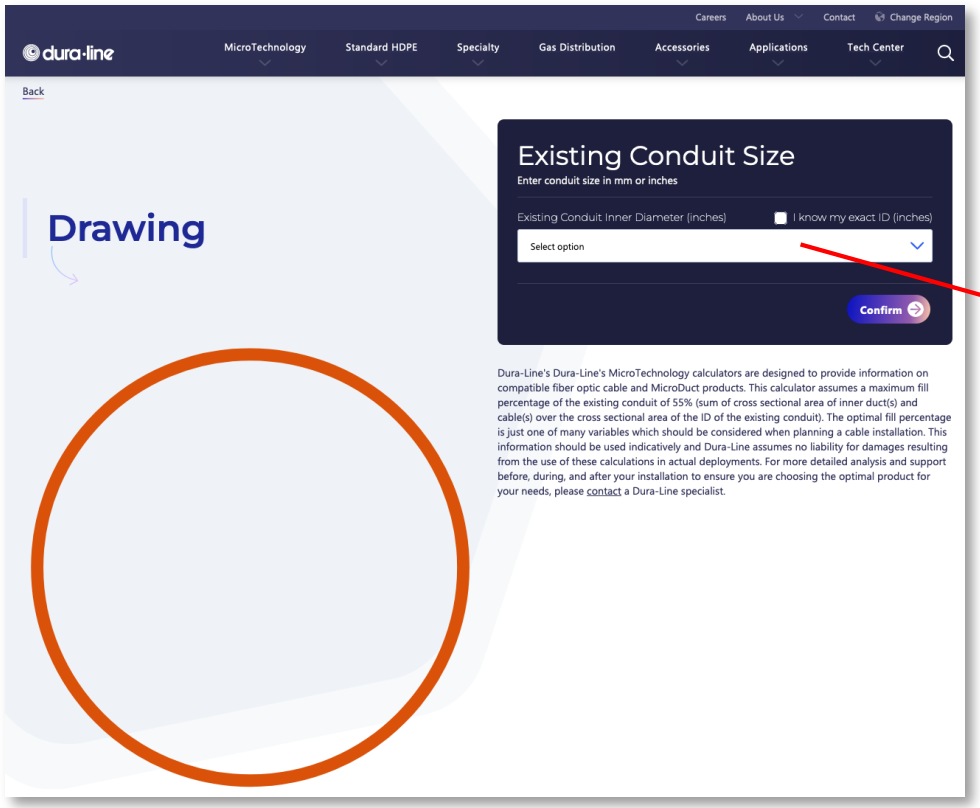
Go to Product Page for chosen Product

Email Technical Data Sheet (TDS) directly

OverRide Calculator

Access through the Product Wizard or Digital Tools Page

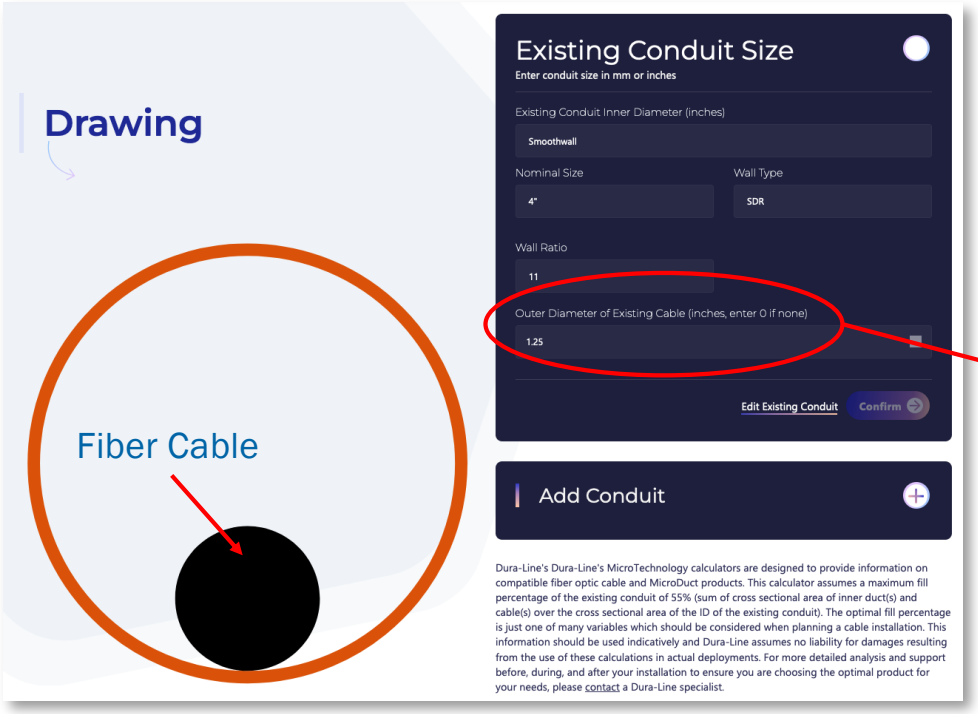
OverRide or Empty Conduit Calculator



Input information about existing pathway

Choose from standard Smoothwall Conduit specifications or enter the exact ID

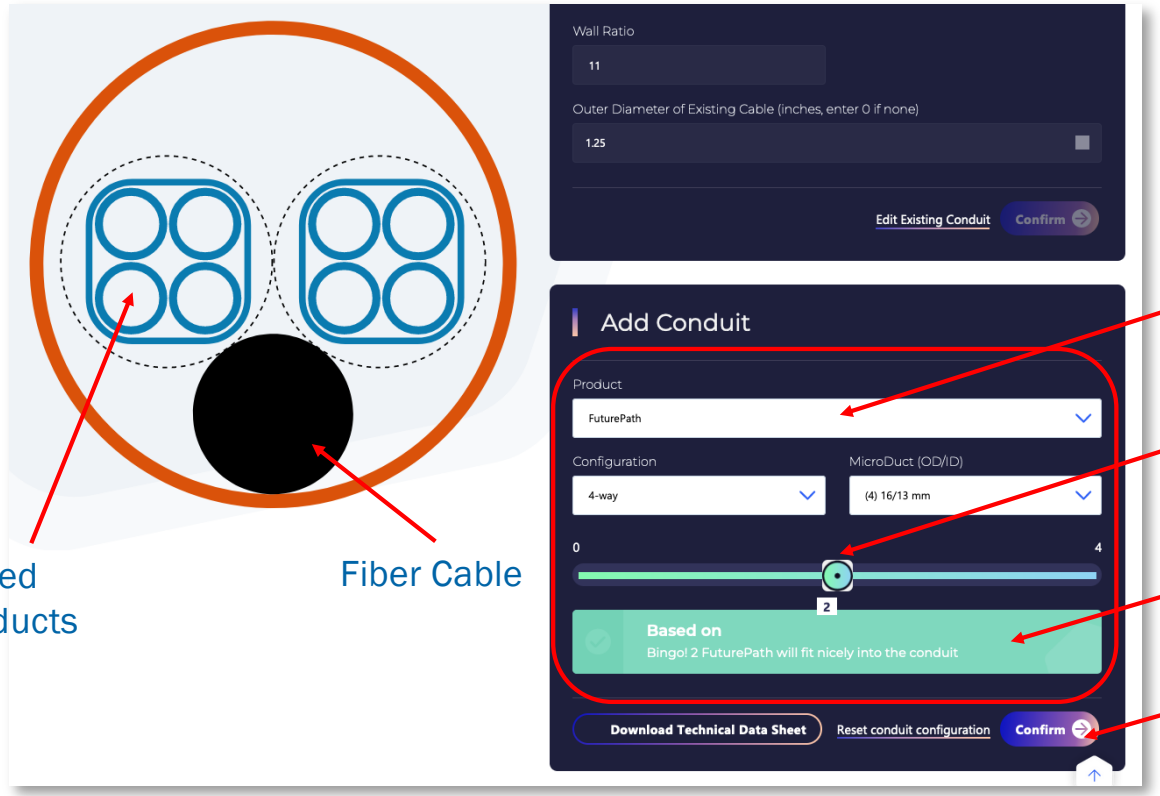
OverRide (over existing cable)



Enter outer diameter of existing cable, if cable present

Drawing will update with scaled representation of cable

OverRide – Adding Conduit



Added Products

Fiber Cable

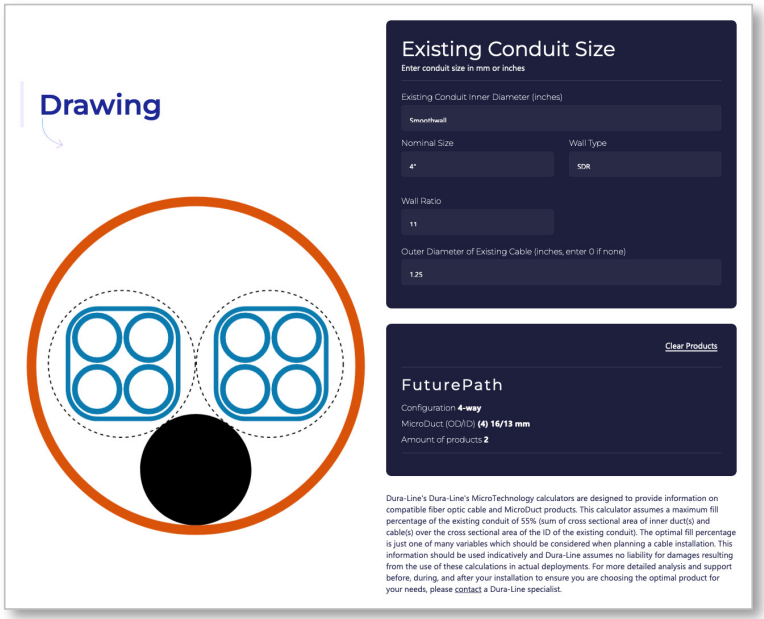
Choose product & configure with Drop Downs

Use slider for number of conduit to insert

Visual feedback on if the products added will “work”

Confirm (twice) and download the drawing and related Product TDS sheet

Download Documents



Drawing

Existing Conduit Size

Enter conduit size in mm or inches

Existing Conduit Inner Diameter (inches)

Smoothwall

Nominal Size: 4"

Wall Type: SDR

Wall Ratio: 11

Outer Diameter of Existing Cable (inches, enter 0 if none): 1.25

Clear Products

FuturePath

Configuration **4-way**

MicroDuct (OD/ID) **(4) 16/13 mm**

Amount of products **2**

Dura-Line's Dura-Line's MicroTechnology calculators are designed to provide information on compatible fiber optic cable and MicroDuct products. This calculator assumes a maximum fill percentage of the existing conduit of 55% (sum of cross sectional area of inner duct(s) and cable(s) over the cross sectional area of the ID of the existing conduit). The optimal fill percentage is just one of many variables which should be considered when planning a cable installation. This information should be used indicatively and Dura-Line assumes no liability for damages resulting from the use of these calculations in actual deployments. For more detailed analysis and support before, during, and after your installation to ensure you are choosing the optimal product for your needs, please contact a Dura-Line specialist.

MICROBUNDLES TECHNICAL DATA SHEET

FUTUREPATH

4-way 16/13 mm

Nom OD

Oversheath

MicroDuct x4

Rip Cord x2

20 AWG insulated Copper Wire

MicroDuct OD/ID	16/13 mm
Nominal OD	1.65 in
MicroDuct Min ID	13 mm
Oversheath	0.07 in
Weight	0.308 lb/ft
Bend Radius Sup	25 in
Bend Radius UnSup	41 in
Conduit SWPS	1658 lbs

STANDARD DETAILS	
DETAILS	FuturePath is a unit of bundled MicroDucts. Manufactured from flexible HDPE (High Density Polyethylene)
INSTALLATION TYPES	Subdivided Conduit, Overrides, Plow, Trench, Directional Bore, MicroTrench, Tray
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.
COLORS	Oversheath: Orange MicroDucts: (1) Blue, (2) Orange, (3) Green, (4) Brown
CONDUIT MARKINGS	Permanent marking along FuturePath 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 MicroDucts which are designed with a standard smooth interior)
LOCATE WIRE	Includes a 20 AWG insulated copper wire
RIP CORD(S)	For easy opening of the oversheath
OPTIONS	
THICKER OVERSHEATH	Available in most configurations to meet your needs for more rugged projects

† 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.

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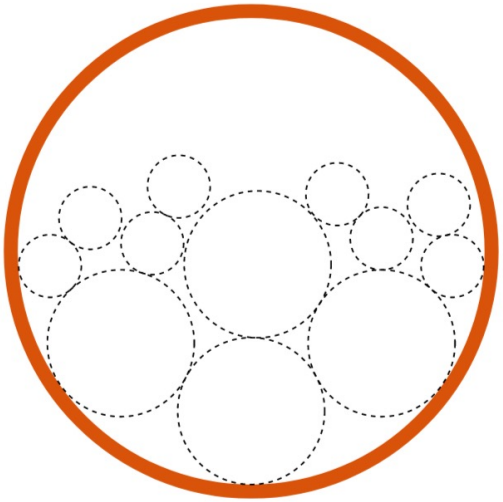
Populating Empty Conduit

Drawing



Existing Conduit Size

Enter conduit size in mm or inches

Existing Conduit Inner Diameter (inches)

Smoothwall

Nominal Size: 6"

Wall Type: SDR

Wall Ratio: 11

Outer Diameter of Existing Cable (inches, enter 0 if none): 0

Clear Products

Smoothwall

Nominal Size **1 1/4"**
Wall Type **SDR**
Wall Ratio **11**
Amount of products **4**

MicroDucts HDPE

MicroDuct Size mm **18/14**
Amount of products **8**

Can add 2 different types of conduit

Thank you!

Questions:

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