



# OptiCell<sup>TM</sup>

## Flexible Innerduct System

MILLIKEN INFRASTRUCTURE. 

A *Milliken* COMPANY

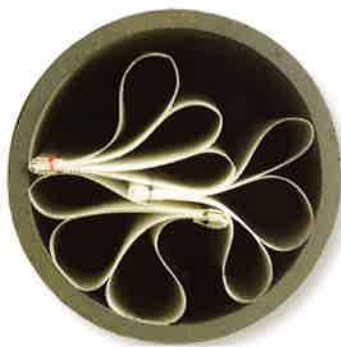
# Milliken Infrastructure Solutions

At Milliken, we are relentlessly inventing more efficient and cost-effective ways for our customers to get from point A to point B in their projects. With products designed to provide present and future value in network design, we continue to not only expand, but lead the way in multiple markets. And it's not just products. Our customers get access to some of the best support in the industry - with recommendations that are the most economical and beneficial for long-term design, as well as on-site training and field installation support.

## Changing the face of multiple industries

Products like OptiCell - a patented, flexible textile innerduct system that triples the usable space in conduit - are truly changing the face of multiple industries, including:

- Telecom
- Broadband & Cable TV
- Power/Utilities
- Municipalities
- Data Centers
- Airports
- University, Corporate and Hospital Campuses
- Military and Government Installations



50mm CONDUIT (with one rigid innerduct)



## Milliken Infrastructure OptiCell™ Flexible Innerduct System

50mm CONDUIT (with OptiCell innerduct)



### OptiCell is durable

- Tensile strength up to 2000 kg
- Melting point of 215°C (419°F)
- Resistant to ground chemicals mud, dirt and debris



### OptiCell is easy to use

- No special tools
- No reel memory - won't spiral
- Works with standard reel carriers
- Pre-lubricated
- Easy deployment & recovery



### OptiCell saves money

- 300% cable density increase
- Reduces:
  - Material costs more than 50%
  - Installation time more than 50%
  - Freight, handling & storage costs up to 700%



### OptiCell meets your needs

- Standard, Detectable and Fire Resistant versions
- Available in custom reel lengths
- Accepts cable up to 38mm OD
- Multiple product configurations

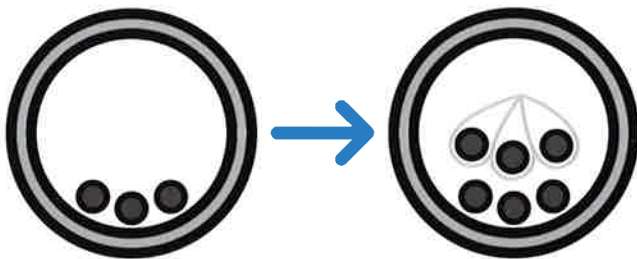


## ACTUAL FIELD EXPERIENCE REPORT

Installers and network engineers can cut conduit installation time in half and increase cable installation speed.

Traditional

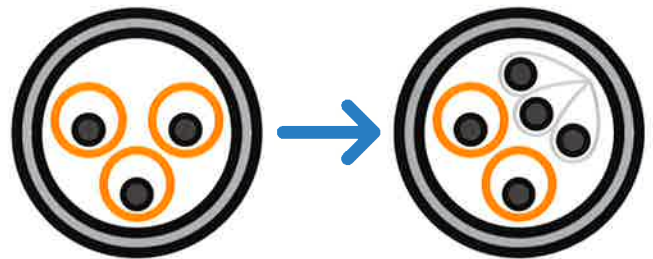
The OptiCell Way



**CABLE OVER CABLE APPLICATION**

Traditional

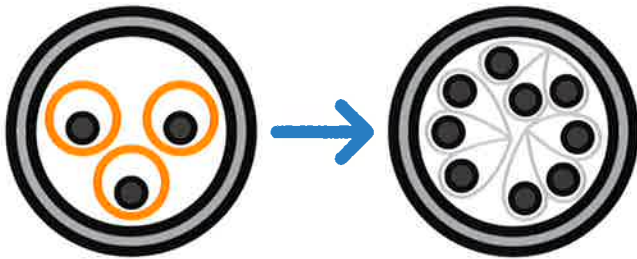
The OptiCell Way



**REPLACEMENT APPLICATION**

Traditional

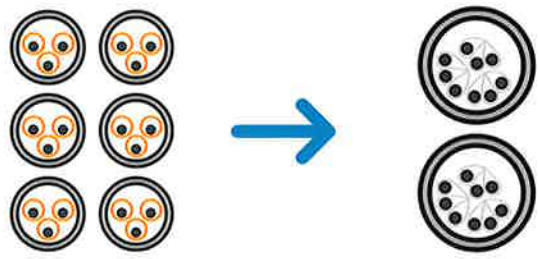
The OptiCell Way



**EMPTY APPLICATION**

Traditional

The OptiCell Way



**NEW BUILD APPLICATION**

**85%**  
LESS  
ENVIRONMENTAL  
IMPACT  
OVER HDPE

**50%**  
SHIPPING  
SAVINGS  
OVER HDPE

**85%**  
STORAGE  
SAVINGS  
OVER HDPE

UP TO  
**70%**  
LABOUR  
SAVINGS  
OVER HDPE

To learn more about how Milliken Infrastructure Solutions can address your infrastructure needs, please visit [opticell.milliken.com](http://opticell.milliken.com) or contact your sales representative.

## Meeting Infrastructure Challenges with Science

Milliken is an innovation company that has been exploring, discovering and creating ways to enhance people's lives since 1865. Our community of innovators has developed one of the largest collections of patents held by a private company. With expertise across a breadth of disciplines including specialty chemicals, floor coverings and performance materials, we work around the world to add value to people's lives, improve health and safety, and help make the world more sustainable. For more information, visit [milliken.com](http://milliken.com) or [opticell.milliken.com](http://opticell.milliken.com).

**To:**

**With Compliments from**

**NexWave**

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