

The World's Only Patented Fabric Innerduct Solution

MaxCell[™]
FABRIC
INNERDUCT

More Space. More Productivity.





About MaxCell



More Space. More Productivity.

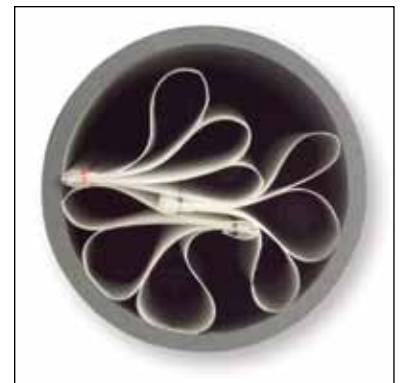
MaxCell® is the only flexible fabric innerduct system designed specifically for the network construction industry. The unique fabric construction allows MaxCell to conform to the shape of cables placed within, greatly reducing the wasted space associated with rigid innerduct.

Today's network operators use MaxCell to increase their cable density by as much as 300%. Faced with the challenge of deploying new infrastructure while minimizing investment costs, using MaxCell will:

- **Reduce the number of conduits required for new network construction**
- **Minimize the need for additional conduit in occupied applications**
- **Enable incremental deployment to match system requirements**

Over 250 million feet of MaxCell innerduct has been successfully installed around the globe in a variety of applications including:

- **Cable TV**
- **Telecom**
- **Wireless Backhaul**
- **Power/Utilities**
- **Municipalities**
- **University, Corporate and Hospital Campuses**
- **Military and Government Installations**
- **Data Centers**



Why MaxCell?

- **Save on network construction**
- **Eliminate new network construction**
- **Place 300% more cables**
- **Install 2x faster**
- **Reduce material and labor costs**
- **Reduce freight and storage costs**
- **Provide cable sheath protection**

As the pioneer in fabric innerduct technology, MaxCell has the industry experience and know-how to develop unique solutions for specific application issues. Whether overbuild of an existing network or the deployment of cable, MaxCell can help you provide the right product and design to maximize the efficiency of your assets.

Independent surveys and actual field experience prove that MaxCell is a revolutionary product that reduces material and labor costs by 50% and more in most applications. Installers and network engineers can cut conduit installation time in half and increase cable installation speed.

If you want to increase your productivity and boost your bottom line, MaxCell is the solution.

It's All About Available Space

Meet the Ultimate Space Saver.

Network plant construction always seems to involve the same questions:

- How many conduits do we need for this new project?
- What is the cable capacity of each conduit?
- If there's already cable in the conduits, can we add more?
- How do we execute this project now and provide for future expansion?
- Can we accomplish this project now if we don't dig and install new conduits?

For years, the answers to these questions were driven by the limitations of rigid HDPE innerduct, resulting in wasted space, costly and difficult installations, excessive freight costs and limited options for future network expansions.

Since 1999, MaxCell has been the best answer. Our fabric innerduct is stronger, more flexible and offers more pathways than rigid innerduct. So it's easier to install. And it goes where rigid can't. Best of all, MaxCell makes it easy to expand in the future.

That's what makes MaxCell the ultimate space saver!

Compare MaxCell with Rigid Innerduct

Rigid innerduct limitations

300% more cables with MaxCell





THE WORLD'S MOST FLEXIBLE, MOST SUSTAINABLE INNERDUCT.



More space. More productivity. More green.

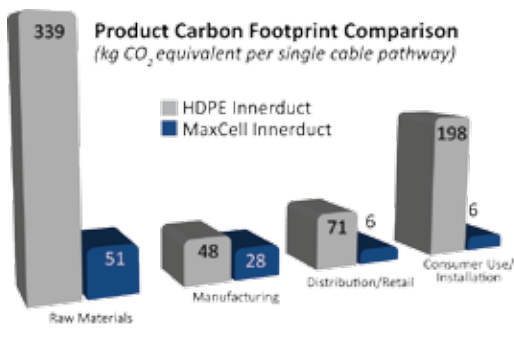
As consumer awareness and concern about climate change and the environment grow, companies are taking steps to reduce their carbon footprint and demonstrate their commitment to sound environmental stewardship. Designed specifically for the network construction industry, MaxCell is a flexible fabric innerduct that provides cable pathway functionality at a fraction of the cost, labor, energy, space and carbon emissions versus HDPE innerduct.

MaxCell reduces carbon emissions by 86.6% versus HDPE innerduct.

MaxCell worked with ICF International, which for 25 years has provided world-class support for the modeling and simulation of environmental impacts of public and private clients, to develop a comprehensive product carbon footprint to determine carbon emissions.

ICF International found that across its product life cycle, MaxCell's carbon footprint is 86.6% less than HDPE innerduct (660 kg CO₂ equivalent per 1000 feet of single cable pathway).

COMPARE THE NUMBERS



A pathway to sustainability.

For every million feet of single-cell MaxCell installed instead of HDPE innerduct, the resulting carbon savings are 644 metric tons CO₂ equivalent. These Green House Gas (GHG) savings are equal to the annual GHG emissions from over 126 passenger vehicles on the road or over 72,000 gallons of gasoline consumed.

Over 250 million feet of MaxCell innerduct have been successfully installed around the globe. If you want to increase your productivity, improve your bottom line and reduce your carbon footprint, MaxCell is the solution.



4G MaxCell

The next generation in maximized productivity

4G MaxCell is the newest offering in MaxCell's industry-proven product line. Once again setting the standard in fabric innerduct technology, 4G MaxCell features an enhanced design that utilizes ridges for reduced surface contact, thus enabling lower cable pulling tensions and faster installations. Thanks to its improved fabric design, 4G MaxCell is 10% stronger than previous versions, providing enhanced durability in the most challenging installations. While still accommodating the same cable size as before, 4G MaxCell reduces cable tension when overlaying existing cables in conduits 2.0" in diameter or less.

Faced with the challenge of deploying new infrastructure while optimizing investment costs, 4G MaxCell will:

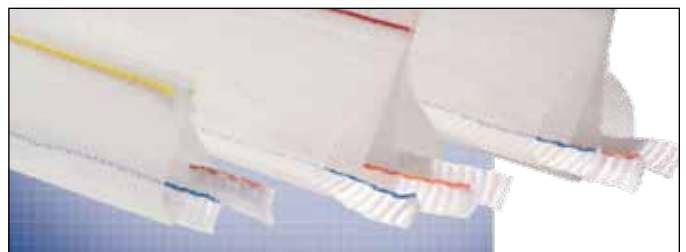
- Greatly reduce the additional conduits required for both new construction and overlay applications.
- Enable incremental cable deployment to match growing system requirements.

MaxCell configurations include one-, two- and three- cell designs for use in 1.0" or larger conduits; and most are available in Standard, Detectable, Plenum and Riser versions.

Versatility meets dependability.

4G MaxCell lives up to the MaxCell legacy of more space and more productivity by enabling cable placement in a wide variety of applications, including:

- Overbuilding of existing cable infrastructure
- Curb to building
- Premise/Riser in EMT
- Space recovery/renewal
- Bridges
- Terra cotta ducts
- Access to controlled environmental vaults



MaxCell is available in multiple configurations with multi-colored pull tapes.

Who's Using MaxCell

Since MaxCell's introduction in 1999, over 250 million feet of product has been deployed. From large telecommunications companies to small municipalities, MaxCell offers an innovative solution to the global marketplace. With products designed to provide present and future value in network design, we continue to expand the market segments in which we participate.

And it's not just product. Our customers understand that when using MaxCell, they get access to some of the best support in the industry. Our sales and technical staff not only make recommendations that are the most economical and beneficial for long-term design, but they will also provide on-site training and field installation support.

CATV

Cable service providers have used MaxCell for over ten years in virtually every known conduit application in their market including large cable, urban, backbone cabling; through choke points of river bores, bridge and railroad crossings; to suburban fiber to the home applications. As the CATV service environment migrates from coaxial to fiber, MaxCell is strategically important for minimizing additional plant costs by reducing or eliminating the need for additional or new conduits in underground applications.

Telecom Industry

With industry leaders such as AT&T, NTT and Verizon among the global telecom giants using MaxCell, it's no wonder that it is one of the fastest growing products in the network deployment industry.

MaxCell applications include FTTH, Central Office backbone and Curb-to-Building deployments. And by "piggy-backing" MaxCell in copper deployments, carriers can place the technology they need now while reducing the construction costs required for future fiber optic deployment.

Cellular Backhaul

The wireless service providers continue to expand their program offerings, and every month new devices capable of receiving and sending more information and at much faster rates are rolled out to the consumer marketplace. However, wireless service providers struggle to provide down path and return path bandwidth for the ever-growing offering and consumption. To answer these requirements, many wireless service providers are engaged with cable system operators to connect thousands of cellular tower antennas to land-based communication lines. Many of these cellular towers are connected to local power through conduit structures, and service providers are using MaxCell to override and place new connecting service lines in these same conduits.



Who's Using MaxCell

Education, Health Care, Airport and Corporate Campuses

Communication between multiple buildings in these markets today requires substantially expanded Local Area Network infrastructure. The increase of cable deployments requires system owners to make hard choices on the cost of installing new dense conduit structures, and they often seek solutions that will make use of existing structures. Whether MaxCell is eventually deployed to condense multiple conduit backbone pathways or override existing plants, its ability to decrease or eliminate the need to dig new conduit structures saves network owners vast amounts of physical project funding, provides pathways for future needs and allows for projects to be completed in a much faster time frame.



Government and Military

Since 2000, MaxCell has been used in over 200 military and government installations around the world. From the largest US bases in the United States, Europe and the Pacific; to current deployments in the Middle East; and to remote outposts representing some of the harshest telecom environments in the world, MaxCell has been the preferred innerduct solution for over a decade. With the knowledge that MaxCell is far less expensive to transport and install, and represents significant overall cost savings wherever the project is happening, engineers and contracting officers continue to specify fabric innerduct for use in government telecom projects.



Data Centers

Data center construction is exploding in the communications network marketplace. Modern data centers are vastly growing in size and complexity and often involve leased space to multiple companies in the same building. Vast amounts of different types of cable are required to operate data centers. MaxCell is currently being used to condense pathway structures from multiple redundant building entrance applications, connecting multiple-building campus-oriented data centers, and internal building cable management of power, HVAC, trunk and branch communication cables.



Applications

Long Pulls (Minimize Splicing)

Problems

- Many short pulls are not as cost effective as making single longer cable pulls

MaxCell Solution

- Pull MaxCell through multiple manholes

General Benefits

- Reduced overall set-up time as multiple set-ups are replaced by one
- Faster cable placement
- Eliminate some cable splices, saving thousands of dollars in labor

Cellular Backhaul

Problems

- Fiber- or Ethernet-based overrides in occupied ducts
- Short underground connection to aerial plant
- Longer connections to underground plant

MaxCell Solution

- Creates pathway(s) for insertion of new cables in already densely occupied smaller conduits

General Benefits

- Utilize existing duct structures
- Avoid new trenching and conduit placement costs
- Multiple product versions for smaller OD conduits
- Future proof larger ducts for subsequent installations

Occupied

Problems

- Existing outer ducts occupied with cables and/or HDPE rigid innerducts
- Desire not to utilize last empty duct(s) (high congestion)
- Microducts difficult to blow in occupied ducts with high fill ratio
- Rigid innerducts may damage existing cables

MaxCell Solution

- Pull MaxCell over existing cables or innerducts (Overlay) allowing additional cable(s) to be pulled in dedicated pathway

General Benefits

- Avoid new construction of additional outer duct/innerducts
- Save remaining empty ducts in congested areas for future network additions
- Decrease time required to start up network

Bridges

Problems

- Limited conduit space
- Limited space to maneuver equipment
- Exposure to elements causes expansion and contraction of HDPE conduit and microducts

MaxCell Solution

- MaxCell in overlay or new construction

General Benefits

- MaxCell optimizes space with the existing conduit structure
- Provides future pathways
- Lower coefficient of expansion eliminates growth or contraction with temperature changes



Applications

Space Recovery / Renewal

Problems

- Upgrade from copper to fiber can cause network downtime
- Congested duct typically means copper must be removed prior to placing fiber
- Single duct in outer duct is wasting space

MaxCell Solution

- Overbuild with MaxCell and place fiber prior to removing copper
- Pull out copper or duct and pull in MaxCell

General Benefits

- Overbuilding allows service to remain intact until network switchover
- Faster installation with MaxCell

Curb to Building

Problems

- Existing PVC or HDPE – short runs <500ft
- Typically congested ducts
- Poor design with numerous sweeps and bends which make placing conduit or microduct difficult

MaxCell Solution

- Place MaxCell in empty duct
- Overlay MaxCell in existing congested duct

General Benefits

- Avoid construction
- Quick deployment
- No special equipment needed – typical hand pulls
- Crew of 2 can do installation

Premise-Riser

Problems

- Congested riser space in buildings or MDUs making drop cable placement difficult
- Limited space for new EMT necessitating conduit fill

MaxCell Solution

- Add MaxCell in new construction for pathways
- Overlay existing cables in riser with MaxCell

General Benefits

- Limited disruption in the building
- Easier installation by hand

Right of Way Obstacles

Problems

- Railroad crossings require significant permitting cost and time
- Construction can inhibit traffic and create safety hazards for crew

MaxCell Solution

- Overlay MaxCell and cable in existing conduit
- “Piggyback” MaxCell and cable to save space

General Benefits

- Saves permitting time and cost
- Minimizes traffic disruption



Placing MaxCell In Occupied Conduit

We have determined that it is poor practice to pull a cable directly into an existing plant due to the associated risk of damaging the existing cable sheath and ultimately the viability of the network. With this in mind, MaxCell has developed construction practices for installing MaxCell in occupied conduits.



1. First, it is preferred that the conduit be less than 30% occupied by volume, or less than 50% full if you were to draw a line horizontally across the halfway point of the conduit opening.

- a. 2" conduit can hold up to three 0.70" cables
- b. 4" conduit can hold up to nine 0.80" cables

The condition of the occupied conduit should be determined. It is unlikely that MaxCell will be effective in very poor duct structures.

2. A MaxCell Rodder Head (or paddle) is the most effective tool for overriding existing cable plant. The size of MaxCell Rodder Head required is dependent upon the conduit diameter.

The MaxCell Group can help you select the right size head for your duct structure. The head selected is matched to the inside diameter of the conduit.

3. The MaxCell Rodder Head is attached to the threaded end of a fiberglass or steel rod. The head is fed into the duct ON TOP of the existing cables. If the head is not on top of the cables to start, there is the likelihood that the cables can get tangled. The head actually pushes the cables to the bottom half of the structure, allowing the rodder to proceed without becoming entangled with the existing cables.

Which is the right rod for any given application? The rod selection is usually governed by several factors including:

- Size of ducting it is to be pushed through
- Distance the rod is to be pushed
- Number and tightness of bends in the duct

A smaller rod in a large duct will make more frequent contact with the conduit; the same rod in a smaller duct will make less frequent contact and therefore less friction so it can be pushed further. A large rod in a small duct is a good situation, but reduced flexibility of the rod may cause increased friction in the tighter bends.

4. After the rodder is successfully placed, there are two options:

- a. The MaxCell pack can be pulled back over the cables with the rodder. The fiberglass rodder is less likely to cause damage to the existing cable sheath than an abrasive pull tape or rope.
- b. A rope can be pulled into the conduit by attaching it to the installed rodder with the MaxCell placed at a later time. If this method is chosen, we recommend that Max-Glide (a jacketed polyester rope) be used. Max-Glide is made out of the same material as the cable sheath and is less likely to cause sheath damage to the existing cable. We also suggest lubricating the Max-Glide with a silicone cable lubricant to further reduce friction between the rope and cable.

5. When placing the MaxCell with rodder or rope, use the standard MaxCell installation procedure for attaching to the MaxCell — and always use a swivel to prevent twisting.

Depending on the application, overriding existing cables can present its challenges, but it can save valuable construction dollars. Some factors that may limit overriding include:

- Conduit size
- Conduit fill
- Distance of run

See accessory selection for paddle options.

MaxCell Product Lines and Types

MaxCell is offered in multiple product lines and types. MaxCell lines consist of Standard, Detectable, Riser and Plenum. MaxCell product types refer to the different conduit application sizes and number of cells/pathways per product type. Most product lines are offered in all of the product type variations.



MaxCell Product Line - Standard

Standard MaxCell is a versatile solution for the complex problems faced by today's engineers, contractors and network providers. Manufactured from internally designed and produced materials, this model yields superior performance over existing rigid innerduct:

Standard MaxCell is the primary product line used in common outside plant applications, including long lines, under-bridge; road, river and rail borings; under streets and all the way to building entrance points. In dense multiple cables, multiple MaxCell pack installations where the conduit path is not clear to surface markers, Standard MaxCell is often partnered with Detectable MaxCell so that path or service interruption points can be easily located.

Standard MaxCell is available for conduit sizes ranging from 1" to 4," and in 1-, 2- and 3-cell configurations — giving you the flexibility to choose the right product for your system and applications.

- Melt point of 419°F — almost 2X of HDPE
- Resistant to ground chemicals and petroleum products
- Pre-lubed for lower friction during MaxCell and cable installation

MaxCell

Product Line - Detectable

Detectable MaxCell was created to answer applications requiring locatable paths. It has an imbedded 18 gauge solid copper wire suitable for direct wired toning equipment as well as above ground handheld locators. Other historic detection products required additional installation or were separate installation of an additional pull tape – that was often used and therefore lost during subsequent expansion installations. The 18 gauge solid copper wire is imbedded in the product types and permanent to the network once installed. All product types are available in detectable versions.

Features & Advantages

- Reliable method for locating cables deployed in buried conduit
- Detectable with any industry standard toning equipment
- The wire is inserted into the edge of MaxCell, not in the cable pathways and provides the following advantages over separate/free-floating wires of detectable pull tapes:
 - **Permanent:** Will not be removed once installed, as is the case with a detectable pull tape
 - **Protected:** Avoids damage to the wire during cable installation as commonly occurs over separate/free-floating wires or detectable pull tapes
 - **Easy installation**
- As an imbedded feature, detectable MaxCell:
 - Requires no additional pull tapes for installation
 - Will not entangle or impede cable installations, nor increase pulling tensions or friction on cables during installation

No special installation techniques are required beyond standard MaxCell procedures, and the wire does not adversely affect pulling tensions or the flexible nature of MaxCell.



Wire Data:

AWG:	18G TFN Solid Copper Core
Nominal OD:	78 mils
Color:	Green
Max Voltage:	600C
Insulation:	15 mils Vinyl
Ampacity:	6



Fire Resistant MaxCell

MaxCell's Plenum and Riser rated products are designed to meet the stringent requirements of today's complex premise networks.

MaxCell Product Line – Plenum

Plenum MaxCell provides numerous pathways for installation of multiple plenum cables in building environments. Plenum MaxCell is for installation in ducts, plenums, risers or other environmental air spaces, and is compliant with UL Standard 2024A – “Outline of Investigation for Optical Fiber Cable Routing Systems (Plenum).”

Features & Advantages:

- Maximize cable density for plenum applications
- Easy installation of cables — short runs often done easily by hand
- Simplifies removal of obsolete cables
- Plenum MaxCell is available in Micro, 2", 3" and 4" conduit versions



MaxCell Product Line – Riser

Riser MaxCell is for effective cable and fiber optic management within interior raceways and for installation in vertical runs or shafts. Riser MaxCell is compliant with UL Standard 2024A – “Optical Fiber Cable Routing Assemblies — Test for Flame Propagation (Riser).”

Features & Advantages:

- Provides dedicated pathways in congested riser ducts
- Allows for future expansion
- Easy switch-out of cables when required
- Riser MaxCell is available in Micro, 2", 3" and 4" conduit versions



Product Type - 4" 3-Cell

4" 3-Cell

For use in 4" or larger conduits, the 4" 3-Cell product is designed to hold larger backbone cables up to 1.50" in diameter in each cell.

Up to two packs can be placed in a 4" conduit.

- Standard color is green
- Color-coded pull tapes are pre-installed
- Factory lubricated



4" 3-Cell packs with (6)
1" OD cables in 4" conduit



4" 3-Cell packs overriding
existing cable plant

4" 3-Cell Application Guide

General Guidelines When Using MaxCell in Various Applications

MaxCell 4" 3-Cell (Equivalent to three 1.5" I.D. innerducts) This product was designed for use in 4" or larger ducts. Multiple combinations of large and medium cable sizes are applicable. Since larger cable applications are anticipated, the number of cables and packs that can be placed is reduced, therefore a smaller number of cables is available.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
4"	MaxCell 4" 3 Cell	2	6	1.50"	1250'	2000'
5"	MaxCell 4" 3 Cell	3	9	1.50"	1250'	2000'
6"	MaxCell 4" 3 Cell	4	12	1.50"	1250'	2000'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

4" 3-Cell Part Numbers

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
4" 3-Cell Product Standard color is Green (GR)	250	MXC4003XX250	MXD4003XX250	MXP4003XX250	MXR4003XX250
	500-999	MXC4003XX500	MXD4003XX500	MXP4003XX500	MXR4003XX500
	1,000-2,649	MXC4003XX1000	MXD4003XX1000	MXP4003XX1000	MXR4003XX1000
	2,650-5,299	MXC4003XX2650	MXD4003XX2650	MXP4003XX2650	MXR4003XX2650
	5,300-9,999	MXC4003XX5300	MXD4003XX5300	MXP4003XX5300	MXR4003XX5300
10,000-13,000	MXC4003XX10000	MXD4003XX10000	MXP4003XX10000	MXR4003XX10000	

4" 3-Cell Reel Sizes and Weights

Description	Reel Size	Type of Reel	Tare Weight of Reel	Std. Product Length	Reel Wt. w/ Std. Product Length	Max Product on Reel
Reel information for 4" 3-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	72 lbs	1,250 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	120 lbs	1,250 ft
	48" H x 22" W	Wood	60 lbs	2,650 ft	315 lbs	3,650 ft
	72" H x 22" W	Steel	88 lbs	5,300 ft	600 lbs	7,900 ft
	72" H x 30" W	Steel	106 lbs	10,000 ft	1055 lbs	10,000 ft

Product Type - 3" 3-Cell

3" 3-Cell

For use in 3" or larger conduits, the 3" 3-Cell product is designed to hold cables up to 1.05" in diameter in each cell. Up to 3 packs can be placed in a 4" conduit.

- Standard colors are black, blue and red
- Color-coded pull tapes are pre-installed
- Factory lubricated



3" 3-Cell pack overriding existing cable plant in 4" conduit



3" 3-Cell packs holding 9 cables in 4" conduit

3" 3-Cell Application Guide

General Guidelines When Using MaxCell in Various Applications

MaxCell 3" 3-Cell (Equivalent to three 1.25" I.D. innerducts) This product was designed for use in 3" or larger ducts. Multiple combinations of large, medium and smaller cable sizes are applicable and anticipated.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
3"	MaxCell 3" 3 Cell	2	6	1.05"	1250'	2000'
4"	MaxCell 3" 3 Cell	3	9	1.05"	1250'	2000'
5"	MaxCell 3" 3 Cell	4	12	1.05"	1250'	2000'
6"	MaxCell 3" 3 Cell	5	15	1.05"	1250'	2000'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

3" 3-Cell Part Numbers

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
3" 3-Cell Product Standard colors are either Black (BK) or Blue (BL) or Red (RD)	250	MXC3456XX250	MXD3456XX250	MXP3456XX250	MXR3456XX250
	500-999	MXC3456XX500	MXD3456XX500	MXP3456XX500	MXR3456XX500
	1,000-2,649	MXC3456XX1000	MXD3456XX1000	MXP3456XX1000	MXR3456XX1000
	2,650-5,299	MXC3456XX2650	MXD3456XX2650	MXP3456XX2650	MXR3456XX2650
	5,300-9,999	MXC3456XX5300	MXD3456XX5300	MXP3456XX5300	MXR3456XX5300
	10,000-13,000	MXC3456XX10000	MXD3456XX10000	MXP3456XX10000	MXR3456XX10000

3" 3-Cell Reel Sizes and Weights

Description	Reel Size	Type of Reel	Tare Weight of Reel	Std. Product Length	Reel Wt. w/ Std. Product Length	Max Product on Reel
Reel information for 3" 3-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	65 lbs	1,500 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	105 lbs	1,500 ft
	48" H x 15" W	Wood	55 lbs	2,650 ft	260 lbs	2,800 ft
	72" H x 15" W	Steel	86 lbs	5,300 ft	500 lbs	7,900 ft
	72" H x 30" W	Steel	106 lbs	10,000 ft	880 lbs	10,000 ft

Product Type - 2" 3-Cell

2" 3-Cell

For use in 2" conduits, the 2" 3-Cell product is designed to hold three cables up to 0.85" in diameter in each cell.

- Standard color is yellow
- Color-coded pull tapes are pre-installed
- Factory lubricated



2" 3-Cell packs, 6 cables
in 3" conduit



2" 3-Cell pack in 2" conduit

2" 3-Cell Application Guide

General Guidelines When Using MaxCell in Various Applications

MaxCell 2" 3-Cell (Equivalent to three 1.0" I.D. innerducts) This product was designed for use in 2" ducts where three cables are being placed.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
2"	MaxCell 2" 3 Cell	1	3	.85"	800'	1500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

2" 3-Cell Part Numbers

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
2" 3-Cell Product Standard color is Yellow (YL)	250	MXC2003XX250	MXD2003XX250	MXP2003XX250	MXR2003XX250
	500-999	MXC2003XX500	MXD2003XX500	MXP2003XX500	MXR2003XX500
	1,000-2,649	MXC2003XX1000	MXD2003XX1000	MXP2003XX1000	MXR2003XX1000
	2,650-5,299	MXC2003XX2650	MXD2003XX2650	MXP2003XX2650	MXR2003XX2650
	5,300-9,999	MXC2003XX5300	MXD2003XX5300	MXP2003XX5300	MXR2003XX5300
	10,000-13,000	MXC2003XX10000	MXD2003XX10000	MXP2003XX10000	MXR2003XX10000

2" 3-Cell Reel Sizes and Weights

Description	Reel Size	Type of Reel	Tare Weight of Reel	Std. Product Length	Reel Wt. w/ Std. Product Length	Max Product on Reel
Reel information for 2" 3-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	60 lbs	1,750 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	92 lbs	1,750 ft
	48" H x 15" W	Wood	55 lbs	2,650 ft	235 lbs	3,200 ft
	48" H x 22" W	Wood	60 lbs	5,300 ft	420 lbs	5,300 ft
	72" H x 22" W	Steel	88 lbs	10,000 ft	765 lbs	10,000 ft

Product Type - 2" 2-Cell

2" 2-Cell

For use in 2" conduits, the 2" 2-Cell product is designed to hold two cables up to 0.85" in diameter in each cell. It's ideal for overlay when one cable exists in a 2" conduit.

- Standard color is black
- Color-coded pull tapes are pre-installed
- Factory lubricated



2" 2-Cell pack in 2" conduit



2" 2-Cell pack overriding incumbent cable in 2" conduit

2" 2-Cell Application Guide

General Guidelines When Using MaxCell in Various Applications

MaxCell 2" 2-Cell (Equivalent to two 1.0" I.D. innerducts) This product was designed for use in 2" ducts where two cables are being placed.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
2"	MaxCell 2" 2 Cell	1	2	.85"	800'	1500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

2" 2-Cell Part Numbers

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
2" 2-Cell Product Standard color is Purple (PR)	250	MXC2002XX250	MXD2002XX250	MXP2002XX250	MXR2002XX250
	500-999	MXC2002XX500	MXD2002XX500	MXP2002XX500	MXR2002XX500
	1,000-2,649	MXC2002XX1000	MXD2002XX1000	MXP2002XX1000	MXR2002XX1000
	2,650-5,299	MXC2002XX2650	MXD2002XX2650	MXP2002XX2650	MXR2002XX2650
	5,300-9,999	MXC2002XX5300	MXD2002XX5300	MXP2002XX5300	MXR2002XX5300
	10,000-13,000	MXC2002XX10000	MXD2002XX10000	MXP2002XX10000	MXR2002XX10000

2" 2-Cell Reel Sizes and Weights

Description	Reel Size	Type of Reel	Tare Weight of Reel	Std. Product Length	Reel Wt. w/ Std. Product Length	Max Product on Reel
Reel information for 2" 2-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	50 lbs	2,575 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	75 lbs	2,575 ft
	33" H x 22" W	Wood	26 lbs	2,650 ft	150 lbs	3,485 ft
	48" H x 22" W	Wood	60 lbs	5,300 ft	305 lbs	7,900 ft
	72" H x 15" W	Steel	86 lbs	10,000 ft	550 lbs	10,000 ft

Product Type - 2" 1-Cell

2" 1-Cell

For use in 1.5" and 2" conduits, the 2" 1-Cell product is designed to hold cables up to 0.85" in diameter in each cell.

- Standard color is white
- Color-coded pull tapes are pre-installed
- Factory lubricated



2" 1-Cell MaxCell overriding incumbent cable in 2" conduit

2" 1-Cell Application Guide

General Guidelines When Using MaxCell in Various Applications

MaxCell 2" 1-Cell (Equivalent to one 1.0" I.D. innerducts) This product was designed for use in 1.5" and 2" ducts. It is designed to deploy an additional cable in a confined small conduit or innerduct.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
1.5"+	MaxCell 2" 1 Cell	1	1	.85"	800'	1500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

2" 1-Cell Part Numbers

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
2" 1-Cell Product Standard color is White (WH)	250	MXC2001XX250	MXD2001XX250	MXP2001XX250	MXR2001XX250
	500-999	MXC2001XX500	MXD2001XX500	MXP2001XX500	MXR2001XX500
	1,000-2,649	MXC2001XX1000	MXD2001XX1000	MXP2001XX1000	MXR2001XX1000
	2,650-5,299	MXC2001XX2650	MXD2001XX2650	MXP2001XX2650	MXR2001XX2650
	5,300-9,999	MXC2001XX5300	MXD2001XX5300	MXP2001XX5300	MXR2001XX5300
	10,000-13,000	MXC2001XX10000	MXD2001XX10000	MXP2001XX10000	MXR2001XX10000

2" 1-Cell Reel Sizes and Weights

Description	Reel Size	Type of Reel	Tare Weight of Reel	Std. Product Length	Reel Wt. w/ Std. Product Length	Max Product on Reel
Reel information for 2" 1-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	40 lbs	4,800 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	50 lbs	4,800 ft
	33" H x 15" W	Wood	24 lbs	2,650 ft	90 lbs	4,800 ft
	33" H x 22" W	Wood	26 lbs	5,300 ft	155 lbs	6,500 ft
	48" H x 22" W	Wood	60 lbs	10,000 ft	275 lbs	14,000 ft

Product Type - Micro MaxCell

Micro MaxCell

MaxCell offers a range of Micro MaxCell products for use in 1.0" to 2.0" ID conduits. This product is available in 3-Cell, 2-Cell, and single cell configurations.

- Designed for use underground as well as aerial duct applications
- Ideal for use in MDU applications where frequent entry in conduit is required
- Enables overlay of cables in occupied conduits
- Reduces or eliminates number of conduits required in new construction
- No special blowing equipment is required
- Features low friction MaxGlide rope in each cell
- Pre-lubed for easier installation

Micro MaxCell products can be used to create additional pathways in small conduits.



Micro MaxCell overriding existing cable plant in a 3" duct

Micro MaxCell Application Guide

General Guidelines When Using MaxCell in Various Applications

Micro MaxCell 3212 Micro MaxCell products are designed for use in smaller applications where space is limited.

Min Conduit ID	Suggested Product	Max # of Packs	Max # of Cables	Maximum Cable Diameter per Cell	Rec. Pull Length*	Max Pull Length*
1.25	MaxCell 3212 3 Cell	1	3	.50"	800'	1500'
1.25	MaxCell 3212 2 Cell	1	2	.50"	800'	1500'
1.25	MaxCell 3212 1 Cell	1	1	.50"	800'	1500'

*Use of OFNR cable may result in reduced pulling lengths. Exceeding more than two 90 degree bends or a total of 180 degrees of bends between any two pulling points or installation into trenched duct may also result in reduced recommended pulling lengths.

This information is provided as general guidelines for MaxCell use and are for reference only. Construction practices and variations may result in reduced pulling lengths. Contact MaxCell Support to review your project.



Product Type - Micro MaxCell

Micro MaxCell Part Numbers

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
Micro 3-Cell Product Standard color is Black (BK)	250	MXCM3303XX250	MXDM3303XX250	MXPM3303XX250	MXRM3303XX250
	500-999	MXCM3303XX500	MXDM3303XX500	MXPM3303XX500	MXRM3303XX500
	1,000-2,649	MXCM3303XX1000	MXDM3303XX1000	MXPM3303XX1000	MXRM3303XX1000
	2,650-5,299	MXCM3303XX2650	MXDM3303XX2650	MXPM3303XX2650	MXRM3303XX2650
	5,300-9,999	MXCM3303XX5300	MXDM3303XX5300	MXPM3303XX5300	MXRM3303XX5300
	10,000-13,000	MXCM3303XX10000	MXDM3303XX10000	MXPM3303XX10000	MXRM3303XX10000
Micro 2-Cell Product Standard color is Black (BK)	250	MXCM3302XX250	MXDM3302XX250	MXPM3302XX250	MXRM3302XX250
	500-999	MXCM3302XX500	MXDM3302XX500	MXPM3302XX500	MXRM3302XX500
	1,000-2,649	MXCM3302XX1000	MXDM3302XX1000	MXPM3302XX1000	MXRM3302XX1000
	2,650-5,299	MXCM3302XX2650	MXDM3302XX2650	MXPM3302XX2650	MXRM3302XX2650
	5,300-9,999	MXCM3302XX5300	MXDM3302XX5300	MXPM3302XX5300	MXRM3302XX5300
	10,000-13,000	MXCM3302XX10000	MXDM3302XX10000	MXPM3302XX10000	MXRM3302XX10000
Micro 1-Cell Product Standard color is Black (BK)	250	MXCM3301XX250	MXDM3301XX250	MXPM3301XX250	MXRM3301XX250
	500-999	MXCM3301XX500	MXDM3301XX500	MXPM3301XX500	MXRM3301XX500
	1,000-2,649	MXCM3301XX1000	MXDM3301XX1000	MXPM3301XX1000	MXRM3301XX1000
	2,650-5,299	MXCM3301XX2650	MXDM3301XX2650	MXPM3301XX2650	MXRM3301XX2650
	5,300-9,999	MXCM3301XX5300	MXDM3301XX5300	MXPM3301XX5300	MXRM3301XX5300
	10,000-13,000	MXCM3301XX10000	MXDM3301XX10000	MXPM3301XX10000	MXRM3301XX10000

Micro MaxCell Reel Sizes and Weights

Description	Reel Size	Type of Reel	Tare Weight of Reel	Std. Product Length	Reel Wt. w/ Std. Product Length	Max Product on Reel
Reel information for Micro 3-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	50 lbs	3,100 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	75 lbs	3,100 ft
	33" H x 22" W	Wood	26 lbs	2,650 ft	160 lbs	4,100 ft
	48" H x 15" W	Wood	55 lbs	5,300 ft	325 lbs	5,750 ft
	72" H x 15" W	Steel	86 lbs	10,000 ft	595 lbs	12,000 ft
Reel information for Micro 2-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	45 lbs	4,475 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	60 lbs	4,475 ft
	33" H x 15" W	Wood	24 lbs	2,650 ft	120 lbs	4,475 ft
	33" H x 22" W	Wood	26 lbs	5,300 ft	210 lbs	6,050 ft
	48" H x 22" W	Wood	60 lbs	10,000 ft	405 lbs	13,000 ft
Reel information for Micro 1-Cell Standard	33" H x 15" W	Wood	24 lbs	500 ft	35 lbs	7,975 ft
	33" H x 15" W	Wood	24 lbs	1,000 ft	45 lbs	7,975 ft
	33" H x 15" W	Wood	24 lbs	2,650 ft	75 lbs	7,975 ft
	33" H x 15" W	Wood	24 lbs	5,300 ft	125 lbs	7,975 ft
	33" H x 22" W	Wood	26 lbs	10,000 ft	215 lbs	10,000 ft

MaxCell Part Number Overview

All MaxCell is white in color. The heavy thread “stripe” running along the length of the MaxCell “pack” is specified by the part numbers below. Each individual pull tape in each cell has its own unique thread “stripe” for easy identification. Pull tapes are either white, white with blue stripe, or white with orange stripe.

MaxCell is offered in a variety of configurations and reel sizes. The part numbers used for ordering MaxCell are constructed using as many as 14 characters:

MXC3456XX10000

MX is the standard prefix to identify the product as a MaxCell product

C is the Product Line Code

(C-Standard, D-Detachable, P-Plenum, R-Riser, CM-Micro)

3456 is the Product Configuration Code

(3456=3" 3 Cell, 2002-2" 2 Cell, 2003-2" 3 Cell, 4003-4" 3 Cell, 2001-2" 1 Cell, 330X-Micro)

XX is the Color Code

(BK-Black, RD-Red, BL-Blue, YL-Yellow, WH-White, GR-Green)

10000 is a Standard Footage* (Standard Footages used in Part Number)

*The Standard Footages used in our part numbers do represent standard put up reel lengths, but they also represent pricing standards. Standard Footages are also used for custom orders, but such orders require textual definition to specific reel lengths.

Standard Colors:

3" 3-Cell: Black, Blue, Red; 2" 2-Cell: Black; 2" 3-Cell: Yellow; 2" 1-Cell: White; 4" 3-Cell: Green; Micro: Black

MaxCell: Pricing Guidelines

Pricing By Reels – Pricing for all orders is based on individual reel lengths.

Custom Reel Pricing – When ordering custom length reels, the standard length reel part number less than the required lengths is used for both part numbers and pricing, and textual definition is required for specific lengths. For example, for standard black 3" 3 Cell, when needing 4 reels with 3500' each, the pricing is based upon the MXC3456BK2650 and the Purchase Order shall read:

Part#: MXC3456BK2650

Qty: 14,000' (4 reels, 3500' each)

Quantity Definitions – Purchase Orders received with evenly divided standard footages and no textual notes will be interpreted as standard reel length orders with no requested clarification. As an example, an order received with part number MXC3456BK2650 and a quantity of 10,600 will be shipped as 4 x 2650' reels.

MaxCell

Installation Instructions

When installing MaxCell, two requirements are very important:

- Swivels must always be used. Please consult your local MaxCell representative for complete swivel options.
- The factory installed 1250lb pull tapes must free-float during installation.

Installation Instructions for Single-Packs

Step 1

Make a 2" incision through the MaxCell, 18" from the end. This incision should be parallel to the product and made 1/2" from the colored stitch edge of the product.

Step 2

Pull out all pull tapes through this incision and cut off excess. Push remaining ends of pull tapes back into the cells. The tapes must be pushed back far enough into the cells so that they free-float during installation.

Step 3

Tie a 6-foot piece of pull tape or rope through incision. Secure with non-slip knot.

Step 4

With the tied-on pull tape or rope, create three to four half-hitch knots down to the end of the MaxCell. The longer the pull, the more half-hitch knots are recommended. Under tension, tighten the half-hitch knots in succession, beginning with the closest to the incision. Apply black vinyl tape over last two half-hitch knots and to the end of MaxCell.

Step 5

Tie the end of the exposed pull tape to a swivel using a non-slip knot. Tie the end of the pull tape or rope from the conduit to the other end of the swivel.

Step 6

Begin pulling MaxCell into the conduit. To further ensure the MaxCell does not spiral during installation, hand guide the MaxCell into the conduit opening, and maintain the angle and face of the MaxCell pack throughout installation.

Installation Instructions for Multiple Packs

Step 7

Repeat steps 1 through 4 above for each individual MaxCell "pack" being installed.

Step 8

Tie a 6-foot piece of pull tape or rope to all MaxCell sleeves, and create your three to four half-hitch knots around all the sleeves at one time. All tapes should be free-floating.

Note: It is recommended that the center MaxCell sleeve in a 3-way pull be aligned 1/2 turn coming off the reel so that the color stitching is opposite the top 1/2 bottom sleeve.

Step 9

Begin pulling the MaxCell packs in. For best results, hand feed the packs into the conduit, keeping them together and faced the same way through the entire pull.



Step 1



Step 2



Step 3



Step 4



Step 5

MaxCell Accessories Installation Kits

MaxCell field professionals have over twenty years of experience installing cable in the network construction industry. Since 1999, we have developed proven installation techniques specifically designed for MaxCell. The installation kits below are cost-effective, reusable and tested to be the most efficient means for MaxCell installations.

MXCIK11

This kit is a single 2500lb swivel with an outside diameter of .875" and is designed for use in installing single and multiple packs of our MaxCell product.

MXCIK21

This kit contains (3) 2500lb swivels with an outside diameter of .875" each and (1) 2-way chain harness. This kit is designed for installing single or multiple packs of MaxCell attached to (1) swivel and a rope, tape or cable attached to a second swivel. The 3rd swivel acts as a parent swivel that attaches the main pull line to the chain harness. This kit allows for different products to be placed simultaneously with the MaxCell product while helping to reduce the number of twists in the conduit structure.

MXCIK31CH

This kit contains (4) 2500lb swivels with an outside diameter of .875" each and (1) 3-way chain harness. This kit is designed for installing single or multiple packs of MaxCell attached to (1) swivel while the 2nd or 3rd swivel can be attached to either a rope, tape and/or cable. The 4th swivel acts as a parent swivel that attaches the main pull line to the chain harness. This kit allows for the installation of a rope or two cables to be placed simultaneously with the MaxCell product while helping to reduce the number of twists in the conduit structure.

Applications commonly require these kits to be augmented with additional product. To support these requirements, the following kit components are also offered as stand alone parts.

- MXCSW A single 2500lb swivel with an outside diameter (OD) of .875"
- MXC2CH A 2-way chain pulling harness
- MXC3CH A 3-way chain pulling harness

In addition, MaxLube pulling lubricant is recommended for all installations to further reduce pulling tensions.



MaxCell Accessories

Inflatable Termination Bags

For non-100% water-tight applications, MaxCell should be terminated using an easily installed, cost-effective inflatable bag system. Inflation bags wrap around the already placed MaxCell and cables, and inflate to terminate the conduit end. This system is very effective for inhibiting water, mud, debris or animal intrusion into a conduit. It can also be easily removed and replaced if cable is added or removed at a later time.



The inflation approach consists of three parts:

Inflation Bags

- Part # MXCITB3 - For use in 3" OD conduits
 - Part # MXCITB4M - For use in 4" OD conduits
 - Part # MXCITB5 - For use in 5" OD conduits
 - Part # MXCITB6 - For use in 6" OD conduits
- One bag per termination required.*

Inflation Tool (Reusable)

- Part # MXCITT - For use in all MaxCell Inflatable Terminations (Requires MXCIGC)

CO₂ Gas Cartridge

- Part # MXCIGC - For use in all MaxCell Inflatable Terminations
- One gas cartridge will typically fill two bags, but the number of cables and the aggregate ODs of cable can increase or decrease the fill rate. CO₂ Gas Cartridges are considered Hazardous Materials. Will only ship via UPS Ground from Miami, Florida. Additional D.O.T. Hazmat shipping charges may apply.*



For water-tight and/or up to 20 psi gas applications, MaxCell should be terminated using Split-Termination Plugs specifically designed for MaxCell use in 4" and 6" ID conduits.

Termination Split Plugs



The 2" Plug

- Part # MXCTP2, has 3 holes
 - 3 x 0.70" (18mm)



The 4" Plug

- Part # MXCTP4, has 9 holes
 - 3 x 1.10" (28mm)
 - 3 x 0.90" (23mm)
 - 3 x 0.70" (18mm)



The 6" Plug

- Part # MXCTP6, has 15 holes
 - 15 x 1.10" (25mm)



Bushings and Gaskets

- Part # MXCTBSET070 - For 0.70" holes
 - Set of 4 variable bushing sleeves for cable ODs from 0.31"- 0.65"
- Part # MXCTBSET090 - For 0.90" holes
 - Set of 6 variable bushing sleeves for cable ODs from 0.31"- 0.84"
- Part # MXCTBSET110 - For 1.10" holes
 - Set of 8 variable bushing sleeves for cable ODs from 0.31"- 1.02"

MaxCell Accessories

Reusable Termination Bags

MaxCell is the world's first and only fabric innerduct system designed specifically for the network construction industry. MaxCell conforms to the shape of cables placed within and greatly reduces the wasted space associated with rigid innerduct. When you use MaxCell with Wolf's patented duct sealing system, you'll save time and money every time you deploy cable.

Wolf Termination Bags can provide an airtight seal in innerduct diameters ranging from 2 inches to 5 inches. The patented inflatable ADE/V sealing elements are made of a laminated foil developed for aircraft application. The sealing element is placed in the duct around cables and inflated to the required air pressure via a durable metal tire valve, completely sealing the innerduct. The sealing element may be easily removed by releasing the air pressure, again via the tire valve. This allows incremental cable deployments and reduces your total installation cost.

The extremely low leakage rate of 2.7 mbarl/year ensures a service life of 20 years against gas diffusion, up to 16 feet water column (7 psi) and chemicals from pH2 to pH12.



Part No.	Description	Innerduct Diameter (Inch)	Duct Sealing Range Occupancy Optimal Diameter (Inch)	Duct Sealing Range Occupancy Minimal Diameter (Inch)
MXCRTBVL50	Sealing element for temperature range +5°F to +86°F Duct 0 ~ 2 inch	2	1.3	0
MXCRTBVL80	Sealing element for temperature range +5°F to +86°F Duct 0 ~ 3 inch	3	2.2	0
MXCRTBVL100	Sealing element for temperature range +5°F to +86°F Duct 0 ~ 4 inch	4	2.9	0
MXCRTBVL125	Sealing element for temperature range +5°F to +86°F Duct 0 ~ 5 inch	5	3.5	0.7

MaxCell Accessories

Override Paddles

Paddles

A MaxCell Rodder Head or “paddle” is the most effective tool for overriding existing cable plant.

Insertion of the paddle over the top of existing cables presses the cables down in the conduit, creating a larger open space at top for the placement of MaxCell and subsequent additional cable.

The correct size of the Rodder Head selected for any application depends on several factors, including:

- **Inside diameter of the conduit**
- **Distance the rod is to be pushed**
- **Number and radiuses of bends in the conduit run**
- **Overall physical condition or continuity of the conduit run**
- **Existing fill ratio of the incumbent plant**

Use of a MaxCell Rodder Head can facilitate placement of MaxCell innerduct. Once the Rodder Head exits the conduit run, MaxCell can be affixed to the paddle with a proper swivel in between. MaxCell can be placed in the conduit as the Rodder Head is extracted to the insertion point. A pull rope or jacketed polyester rope can also be placed during Rodder extraction, allowing for future placement of MaxCell.

Paddle Width 1-3/4":

PBC3/8200, Clevis, Pull Back, 3/8-16 Female Threaded, for 2" duct

Paddle Width 2-7/8":

PBC3/8300, Clevis, Pull Back, 3/8-16 Female Threaded, for 3" duct

Paddle Width 3-7/8":

PBC3/8400, Clevis, Pull Back, 3/8-16 Female Threaded, for 4" duct



MaxCell Accessories

MaxLube

Utilization of proper cable pulling lubricants are essential in obtaining optimum results. Consult your MaxCell Representative for cable pulling lubricant recommendations. MaxLube was specifically designed to improve MaxCell's performance under the most challenging applications.

MaxLube Simplifies Your Installation Process.

MaxCell used with MaxLube provides the fastest pull possible, reducing installation times significantly. It meets our customers' needs for an easy to use, effective cable lubricant.

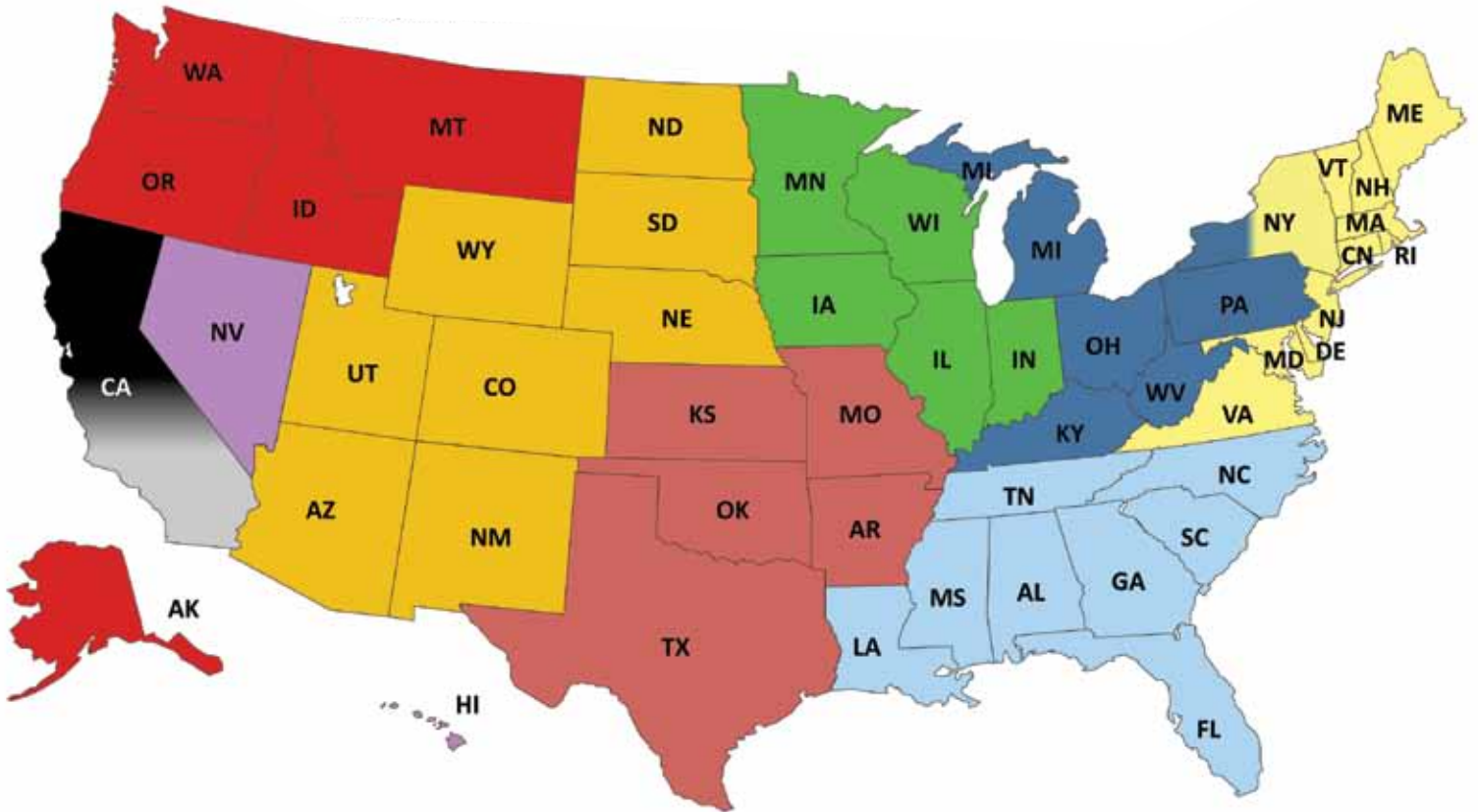
- Perfect for OSP, drop and data cables
- Easy application with pre-saturated wipe, re-saturate wipe with spray bottle as needed
- Lubricates with very thin film, performs just as well after drying
- Non-staining, quick clean-up
- Compatible with common cable jackets including polyethylene



MaxLube is a convenient lubricant for pulling fiber optic cables with wipe-and-spray application. Because it's concentrated, only a thin film is required for immediate tension reduction that lasts. Just spray or wipe the cable as it enters the MaxCell sleeve. It's quick and easy to use without mess or excess lubricant.



Sales Territories



For Regional Sales Contact Information, please visit:

www.maxcell.us



More Space. More Productivity.





More Space. More Productivity.

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