

MaxCell® Edge fabric innerduct is designed to maximize the capacity of conduits in network infrastructure while preserving space for future network deployments. New construction applications have yielded installation of up to 300% more cabling per conduit over rigid ducts. In occupied conduits, MaxCell’s design has allowed for easy pathway creation when overriding existing cabling or traditional innerduct while reducing total system cost.

- Designed for 4” and larger conduit applications
- Solves cabling issues for conduits, allowing a range of cable sizes
- Enables overlay of cables in occupied conduits
- Reduces or eliminates number of conduits required in new construction
- Melting point of 419°F (215°C) (almost twice that of HDPE)
- Halogen-free
- Resistant to ground chemicals and petroleum products
- Constructed of PET (Polyethylene Terephthalate) and Nylon 6
- Patented fabric design may reduce pulling tension by up to 20% over previous MaxCell versions
- Features color coded, pre-installed 1250LB pull tape in each cell\*
- Pre-lubed for lower friction during MaxCell and cable installation\*\*
- Manufactured in the U.S.A.



PRODUCT #	MIN CONDUIT ID	CELLS	REPLACES	MAX CABLE DIAMETER PER CELL
<b>MXE8638: 4"</b>				
MXE86383	4.00"	3 Cell	MXC4003	1.50" (38mm)

## MXE86383 APPLICATION GUIDE

CONDUIT TRADE SIZE	MAX. # OF PACKS	MAX. # OF CABLES
4"	2	6
5"	3	9
6"	4	12

## IMPORTANT INSTALLATION TIPS

- Swivels must be used when pulling MaxCell
- The factory installed pull tapes in each cell must free-float during installation
- Contact customer service for installation assistance

**View installation video online:**  
[www.maxcell.us/installation.aspx](http://www.maxcell.us/installation.aspx)

MaxCell Edge Standard and Detectable products are available in multiple sizes and configurations. Contact customer service on applications requiring MaxCell ISP (Plenum or Riser ratings). MaxCell ISP is designed as a UL2024 certified compliment to the MaxCell Edge product line.

Use of OFNR or OFNP cable may result in reduced pulling lengths as the cable jacket compositions may result in a higher coefficient of friction over traditional OSP (outside plant) cabling. Designers should make every effort to conform to industry standards (BICSI best practices and ANSI standards) with regard to distances between any two pull points, number of bends and adhere to the cable manufacturer’s maximum pulling tension specifications. Do not exceed two 90° bends or a total of 180° in a single pull. Consult a MaxCell representative if unavoidable. Proofing (mandreling) of conduit pathways is advised prior to MaxCell installation (normally 1/4" to 1/2" less than the diameter of the conduit).

*Design and fabrication of MaxCell is patent protected.*

*\* Higher tensile strength pull tape and rope options are available for difficult cable installations.*

*\*\* Additional lubrication is recommended to further decrease friction during cable installation.*



## How do MaxCell part numbers work?

**MXE86383BK5300**

<b>MX:</b>	Standard prefix to identify the product as a MaxCell item
<b>E:</b>	Product Line Code: E-Edge; ED-Edge Detectable
<b>86:</b>	Product Width (Millimeters)
<b>38:</b>	Maximum Outside Diameter of Cable (Millimeters)
<b>3:</b>	Number of Cells
<b>BK:</b>	Thread Identification Color (Varies Per Product): BK-Black (Standard); BL-Blue; GR-Green; RD-Red; YL-Yellow
<b>5300:</b>	Standard Length (Feet) <sup>†</sup> : 5,300 ft; 10,000 ft

<sup>†</sup>Contact customer service regarding custom lengths of MaxCell (available in 5' increments).

Reel sizes may vary. Contact customer service for MaxCell ISP (Plenum and Riser) part numbers.

## PROJECT WORKSHEET

Project Name:

BASE PRODUCT #	# OF CELLS	THREAD COLOR	LENGTH (FT)
<i>EXAMPLE: MXE8638</i>	3	BK	5300

