

MaxCell® Edge Detectable fabric innerduct is designed to maximize the capacity of conduits in network infrastructure while preserving space for future network deployments. MaxCell Edge Detectable is designed to create additional pathways in greenfield or occupied conduit specifically for outside plant applications, including long lines; under bridges; road, river and rail borings under streets; and, curb to building entrances.

- Designed for 44mm and larger conduit applications
- Sewn-in 18AWG TFN solid copper wire suitable for direct wired toning equipment and above ground handheld locators
- 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 215°C (419°F) (almost twice that of HDPE)
- 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 pre-installed 565kg Vis™ Glide Rope in each cell
- Pre-lubed for lower friction during MaxCell and cable installation*
- Manufactured in the U.S.A.



PRODUCT #	MIN CONDUIT ID	CELLS	MAX CABLE DIAMETER PER CELL	MIN BREAKING TENSILE	ELONGATION AT 50KG
MXED4418: 44mm					
MXED44181	38mm	1 Cell	18mm	427kg	< 2.0%
MXED44182	40mm	2 Cell	18mm	775kg	< 2.0%
MXED44183	42mm	3 Cell	18mm	1124kg	< 2.0%
MXED44184	44mm	4 Cell	18mm	1551kg	< 2.0%

IMPORTANT INSTALLATION TIPS

- Swivels must be used when pulling MaxCell
- Contact customer service for installation assistance

View installation video online: www.maxcellinnerduct.eu/en/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 Riser Rated or Plenum Rated 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 6mm to 12mm less than the diameter of the conduit).

Design and fabrication of MaxCell is patent protected.

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



44MM DETECTABLE ORDERING GUIDELINE



Future Network Flexibility

How do MaxCell part numbers work?

MX**ED****44****18****2****GR****2000**

MX:	Standard prefix to identify the product as a MaxCell item
ED:	Product Line Code: E-Edge; ED-Edge Detectable
44:	Product Width (Millimeters)
18:	Maximum Outside Diameter of Cable (Millimeters)
2:	Number of Cells
GR:	Thread Identification Color (Varies Per Product): GR-Green (Standard)
2000:	Standard Length (Meters)†: 2000

†Contact customer service regarding custom lengths of MaxCell.
 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 (M)
EXAMPLE: MXED4418	2	GR	2000

