

MAXCELL® EDGE DETECTABLE

MaxCell Edge Detectable maximizes the fill ratio of conduits to increase cable density by 300% or more, but with the added benefit of easy cable locating with its embedded sewn-in green 18AWG THHN solid copper wire suitable for direct wired toning equipment and above ground handheld locators. It is widely used in longer run greenfield applications or occupied conduit making it the best choice for all outside plant applications.

Features and Benefits:

- Designed for 1.25" and larger conduit applications
- Embedded sewn-in green 18AWG THHN solid copper wire suitable for direct wired toning equipment and above ground handheld locators
- Supports various cable sizes
- Enables overlay of cables in occupied conduits
- Reduces material and labor costs by 50% or more
- Cuts carbon emissions by over 80%
- Outperforms rigid innerduct in both cost efficiency and sustainability
- Patented fabric design reduces cable pulling tension by 85%
- Melting point of 419°F (215°C) - almost twice that of HDPE
- Constructed of PET (polyethylene terephthalate) and nylon 6
- Pre-lubed for lower friction during cable installation**
- Manufactured in the U.S.A.
- **Features:**
 - Pre-installed 1,250 lb. Vis™ Glide Rope in each cell* for MaxCell Edge Detectable 1.25" - 2.00";
 - Color coded, pre-installed 1,250 lb. pull tape in each cell* for MaxCell Edge Detectable 3.00" 3-Cell, 3.00" 4-Cell, 4.00" 3-Cell;
 - Color coded, pre-installed 1,800 lb. pull tape in each cell* for MaxCell Edge Detectable 4.00" 4-Cell



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.

| Product Number | Min. Conduit ID | Cells | Replaces | Max. Cable Diameter Per Cell |
|---|-----------------|-------|----------|------------------------------|
| MXED32121 | 1.25" | 1 | MXDM3301 | .45" (12mm) |
| MXED32122 | 1.25" | 2 | MXDM3302 | .45" (12mm) |
| MXED32123 | 1.25" | 3 | MXDM3303 | .45" (12mm) |
| MXED44181 | 1.75" | 1 | N/A | .70" (18mm) |
| MXED44182 | 1.75" | 2 | N/A | .70" (18mm) |
| MXED44183 | 1.75" | 3 | N/A | .70" (18mm) |
| MXED44184 | 1.75" | 4 | N/A | .70" (18mm) |
| MXED52221 | 2.00" | 1 | MXD2001 | .85" (22mm) |
| MXED52222 | 2.00" | 2 | MXD2002 | .85" (22mm) |
| MXED52223 | 2.00" | 3 | MXD2003 | .85" (22mm) |
| MXED52224 | 2.00" | 4 | N/A | .85" (22mm) |
| MXED64283 | 3.00" | 3 | MXD3456 | 1.05" (28mm) |
| MXED64284GR <i>Only available in 5,300 ft.</i> | 3.00" | 4 | N/A | 1.05" (28mm) |
| MXED86383 | 4.00" | 3 | MXD4003 | 1.50" (38mm) |
| MXED86384GR <i>Only available in 5,300 ft.</i> | 4.00" | 4 | N/A | 1.50" (38mm) |

Important Installation Tips

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

MaxCell Edge products are available in multiple sizes and configurations. Contact customer service on applications requiring MaxCell Premise products ISP (plenum or riser ratings). Premise is designed as a UL2024 certified complement to MaxCell solutions.

Use of optical fiber nonconductive riser (OFNR) or optical fiber conductive riser (OFCR) 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) regarding 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 solutions installation (normally 1/4" to 1/2" less than the diameter of the conduit).