

## SELF-INFLATING SEALING BAG



MaxBag is designed to create a seal between the underground cable conduit and the cable(s) for telecommunications or other uses. It's fast and easy to install. Simply pull the cord and it automatically inflates. MaxBag configurations support 2-, 3- and 4-inch conduit applications.

### FEATURES

MaxBag is activated manually with no tooling requirement. Inflation is achieved via a pull cord mechanism activating an internal gas capsule as opposed to using external compressed air. This provides the following advantages:

- Consistent inflation
- No tools required
- No maintenance required for inflation tools and accessories
- Fast, flexible and easy to install, reducing installation time
- It is possible to install and seal even with water in the interior of the conduit
- Easy to remove
- Adaptable to any cable diameter (within nominal min. and max. cable OD)
- The life cycle of the product is a minimum of 20 years

## APPLICATIONS

MaxBag is designed to create a barrier against the infiltration of silt, dirt/mud, debris and rodents into or out of buried conduit while also facilitating cable organization. MaxBag internal pressure is near 43.5psi.

PART NUMBER	OUTER DUCT NOMINAL DIAMETER (APPROX.)	CABLE MAX DIAMETER (APPROX.)	CABLE MIN DIAMETER (APPROX.)
MXCB2	63 mm (2.48 in)	45 mm (1.77 in)	7 mm (0.27 in)
MXCB3	90 mm (3.54 in)	60 mm (2.36 in)	10 mm (0.39 in)
MXCB4	110 mm (4.33 in)	80 mm (3.14 in)	12 mm (0.47 in)

## TESTS

NAME	METHOD
Sealing	Immersion in water for 48 hours with a pressure of 50kPa (7.252psi)
Thermal Cycle	20 cycles of 12 hours oscillating between 15° and 50° C (59° to 122° F)
Vibration	10 day cycle with 10Hz vibration in the test cable
Chemical	Acid, hydroxide, sulfide, chloride and petrol by product resistance
Working Temp	-50° to 70° C (-58° to 158° F)

# REUSABLE TERMINATION BAGS

MaxCell conforms to the shape of cables placed within and greatly reduces the wasted space associated with rigid innerduct. When you use MaxCell with a reusable termination bag, you'll save time and money every time you deploy cable.

Reusable 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.

- Extremely low leakage rate of 2.7 mbarl/year
- Service life of 20 years against gas diffusion
- Up to 16 feet water column (7 psi)
- 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



# VERRIDE 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 the 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

