

# PRODUCT DATA

# CLEARPAK<sup>®</sup> BIO VCI WIRE

## Description

Clear Pak BIO wire prevents corrosion on exposed metal inside closed tubing, pipes, barrels, cylinders and recessed spaces during storage and shipment. Clean, bendable, Clear Pak wire uses corrosion inhibitors that are plant-based, amine-free, non-nitrite, and safe to handle and use in the workplace. Wire will protect ferrous and aluminum surfaces in linear motion devices and hard-to-reach areas of large equipment. Sold in convenient size rolls, wire can be cut to length to fit any application.

## Features

### ***Proven Daubert Cromwell corrosion inhibitor chemistry***

- Bio-based, non-nitrite, amine-free VCI chemistry.
- Effective protection for ferrous metals and aluminum.
- Odorless, non-toxic, recyclable
- Safe and easy to use; no special handling required
- Parts remain clean, dry and ready to use without additional cleaning or rework
- Leaves no residue or powder
- RoHS compliant
- Compatible with Daubert Cromwell rust preventive liquids, VCI papers, films, foams and emitters
- Protects metal surfaces for up to 2 years, inside dry storage

## Typical Applications

### ***For storage, transport, export of:***

- Firearms and accessories
- Barrels, spares, related equipment and attachments
- Hollow, precision machined parts, linear parts and components
- Long lengths of piping and metal tubing
- Cylindrical parts and hollow void space up to 2" diameter

### ***Guidelines for use:***

- Unroll and cut a length of wire equal to or slightly longer than length of tube, pipe or barrel.
- Place the wire in the tube. If desired, hook the wire around one end, for easy removal later. Seal or close ends of the hollow piece with wire inside.
- VCI will saturate the enclosed air space, protecting interior surfaces from corrosion until wire is removed.
- For other complex shapes and spaces, use: a) Daubrite<sup>®</sup> emitters (Daubrite 5 emitter protects 5 cu. ft. of space, Daubrite 10 for cu. ft.; b) Daubrite foam emitters; c) VCI chips or powder packets.



# DAUBERT CROMWELL

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# TECHNICAL DATA

# CLEARPAK<sup>®</sup> BIO

## VCI WIRE

## Physical Data

Typical Properties	Typical Values
Outside diameter	1/8" (3mm)
Inside diameter	1/10" (2.5mm)
Form	Wire
Color	Purple

Protection Time
Inside Dry Storage

Up to 24 months

Metal	Level of Protection
Steel, AISI 1010	Protection
Cast Iron	Protection
Aluminum	Protection
Zinc or zinc galvanized	Not recommended
Copper	Not recommended
Brass*	Test for compatibility
Bronze	Not recommended
Category A**	Not recommended

\* Brass alloys in the "red area" containing up to 20% zinc will act like copper; brass in the "white" area containing over 20% zinc and will act like Category A metals.

\*\* Category A metals include zinc, cadmium, nickel, cadmium plated steel, and nickel plated steel. These are prone to contact corrosion sensitivity with inhibitor chemicals, but will be protected as shown in the vapor phase.

## Storage

Store in a cool, dry place, away from direct sunlight. Do not store outdoors, in high humidity, or at temperature above 80°F (27°C).

## Shelf Life

Two (2) years from date of shipping when stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Storage outside these conditions voids this statement.

**WARRANTY** The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and

workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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