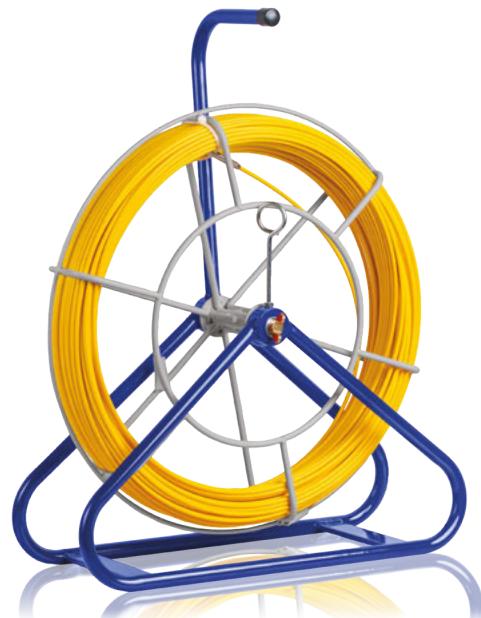




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**ROD-3316**  
**PLASTIC COATED FIBERGLASS**  
**RODDER, 3/16" X 300'**  
**INSTRUCTION MANUAL**

## WARNING:

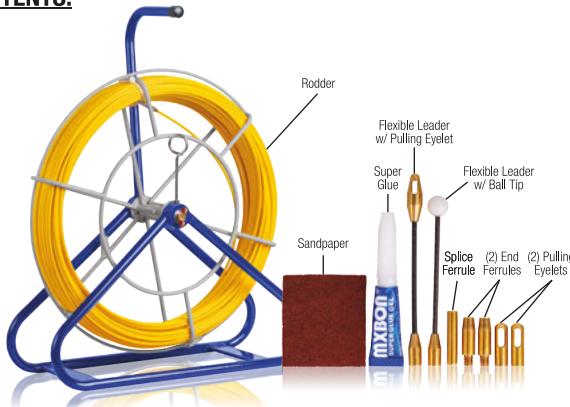
- **DO NOT USE ON LIVE CIRCUITS. DISCONNECT POWER.** Metal tip on rod.
- Wear safety glasses and gloves.
- Keep rod inside reel when not in use. Out-of-control rod can harm personnel or property.
- Keep rod clean. Some contaminants (including water) can conduct electricity.
- Keep secure footing. Protect yourself from falling should pulling eye move suddenly or separate from rod.
- Check for rod damage prior to use. Cracks, gouges, nicks, or white stress marks on jacket or sharp bends will weaken rod. Injury could result if rod breaks while being pulled.
- Do not use slip joint pliers, locking pliers or powered pulling equipment on rod.
- Do not force a pull that is stuck. Remove wires and check for kinks or obstructions.
- Avoid pulling rod over sharp edges.
- Do not bend rod beyond 2.5" radius.



## WARNING - ADHESIVE:

Read manufacturer's instructions before using adhesive. In case of eye contact, flush with water and seek medical attention. If skin contact occurs, apply solvent (such as nail polish remover) to area and gently remove adhesive. Wash solvent off with water. Solvents should not be used in case of contact with eyes or open wounds. Always wear safety goggles (ANSI Std. Z87.1) and gloves when working with adhesive and/or unprotected fiberglass rod. See adhesive product label for Safety Data Sheet (SDS).

## CONTENTS:



## INSTRUCTIONS FOR FISHING CONDUIT:

1. Disconnect power.
2. Identify both ends of the conduit and ensure the switch gear or other components in the area of the vault or box will not be damaged by inserting the rod.
3. If the conduit has existing wire, use the included flex tip on rod for pushing.
4. Insert the rod through the safety feed guide.
5. Tighten or loosen the brake handle to minimum drag required so that the rod does not feed itself from the cage.
6. Push the rod through the duct using quick thrusts (approximately 6-12" long) to minimize breakage.

**NOTE:** When the end of the rod enters the box at end of the conduit and contacts the vault or box wall, vibrations can normally be felt in rod.

7. Attach the included pulling eye to the end of the rod and attach the wire to the end of the eye.
8. Load the rod back into the cage as it is being pulled out of the conduit. Use short, straight pulls to get the rod back into the cage.

**WARNING:** Do not bend, twist, or jerk the rod. Do not spin the cage.

9. If pulling stops automatically, check for any kinks in the cable or wire at entry.

## INSTRUCTIONS FOR SPLICING THE ROD OR ATTACHING A NEW END FERRULE:

If your gets damaged and needs to be repaired, please follow these instructions:

1. Cut away the damaged section(s) of the rod with a fine-tooth hacksaw or sharp knife, and strip the jacket back about 1/2".
2. Use an emery cloth to lightly roughen surface of fiberglass core end (Fig. 1).
3. Clean end of fiberglass core with solvent such as lacquer thinner or denatured alcohol and allow it to dry completely.
4. Apply a drop of adhesive to fiberglass core end (in case of a splice, do one end at a time as in Fig. 2A) and spread over the glass core with toothpick or nail.
5. Twist the ferrule while inserting the rod (Fig. 2A and 2B), clean off excess glue, and for end ferrule repair, use emery cloth to sand off excess rod extending from the end of the ferrule.
7. Allow sufficient time for the adhesive to cure. It sets in seconds, but requires 24 hours to fully cure.

