

## VFL-350 Visual Fault Locator

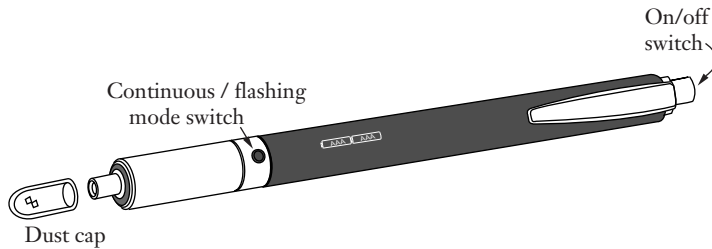


Figure 1

### 1. General

**1.1** The Corning Cable Systems VFL-350 emits either continuous or 3 Hz flashing visible laser light at a wavelength of approximately 635 nm to perform continuity checks and locate faults in both multi- and single mode fibers optical fibers and components.

**1.2** The VFL-350 makes use of a Class 2 laser with a power output of less than 1mW. Under normal operations, the laser light is not dangerous.

**1.3** As shipped, the VFL-350 is suitable for standard 2.5 mm single fiber connector ferrules. Corning Cable Systems CTS kits, e.g TKT-UNICAM- CTS, contain a splitter which will permit use of a VFL-350 with 2-fiber connectors.

**1.4** The VFL-350 has the following general specifications:

- Power requirements: 2 AAA alkaline batteries (provided)
- Battery life: Approximately 40 hours in flashing mode
- Operating temperature -10to +40 C
- Storage temperature -40to +70 C

**1.5** This issue includes cleaning instructions.

### 2. Precautions



**CAUTION: LASER RADIATION. DO NOT STARE INTO BEAM.**  
CLASS 2 LASER PRODUCT. EN 60825-1/94. P< 1 mW; λ=635 NM



#### Aerosol Duster

**Warning:** *Contents under pressure. Follow all safety precautions on the duster. Do not expose to heat, use near flame, or store at a temperature over 120°F. Hold the duster nozzle a minimum of 5 cm (2 in.) away from the item being cleaned.*

### 3. Operating the VFL-350

**3.1** To operate the VFL-350:

- a) After removing the dust cap, fully insert the connector ferrule into the adapter on the front of the locator.
- b) Turn the locator on by pressing the on /off switch at the end of the unit.
- c) Press the continuous / flashing mode switch on the side of the locator for the desired setting.
- d) Replace the dust cap on the VFL after you have completed the fault location or continuity check.

### 4. Maintenance

#### Battery Replacement

**4.1** To replace the batteries in the VFL-350:

- a) After turning the VFL-350 off, unscrew the laser unit on the front of the locator.
- b) Insert two AAA alkaline batteries as shown in Figure 2.
- c) Screw the laser unit back into place.
- d) Properly dispose of the used batteries.

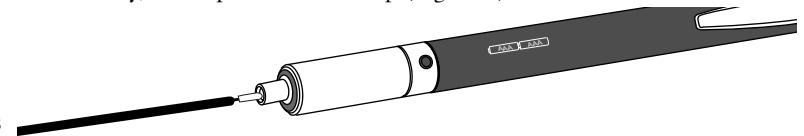


Figure 2

#### Lens Cleaning

**4.2** Failure to keep the dust cap on the VFL may result in contaminants being trapped in the ferrule adaptor. To remove contaminants, use an aerosol duster and/or a foam-tipped swab (p/n 3617002-01). Carefully remove the contaminants, allow the lens to dry, and replace the dust cap (Figure 3).

Figure 3



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