

# Cablecraft Controls

## Technical/Application Data

### Performance/Aircraft Controls Cautions

#### The following cautions describe application and installation information

1. Do not install Cablecraft® control cables on any application which may exceed any of the design parameters of the control cable.
2. Cablecraft® control cables are non repairable. Do not attempt to modify this control cable.
3. Cablecraft® cables are designed to be contaminant resistant; not contaminant proof. Protect the cable from contaminants such as fuel, oil, water, dirt and chemicals which may damage the control cable.
4. Protect the Cablecraft® control cable from physical damage by paint, kinking, vibration, etc., which may damage the control cable.
5. Cablecraft® control cables have the best load capacity in the pull mode. Always install the control cable so it pulls the greatest load, and pushes the smaller load; and pulls the item into the neutral or off position.
6. Do not install the Cablecraft® control cable with the power on or the engine running. Serious injury or death could result.
7. The usable stroke must be centered within the available travel.

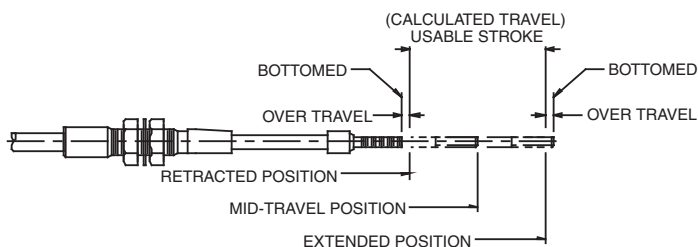


FIG 1

8. The swivel angle must be centered within the available swivel angle.

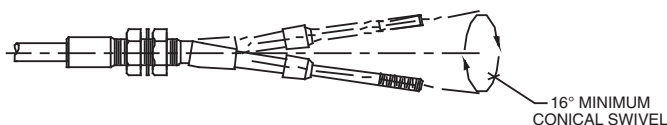


FIG 2

9. Installation should be accomplished by a licensed "A and/or "P" mechanic.

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## Technical/Application Data

### Performance/Aircraft Controls Warnings

The following warnings describe important push-pull cable operation and maintenance information

1. All installations on privately owned certificated aircraft must be FAA certified, Form 337.
2. Do not install the Cablecraft® control cable with the power on or the engine running. Serious injury or death may result.
3. Periodic maintenance checks should be performed every one thousand hours or one year, whichever comes first. The checks should include all items listed in these cautions and warnings.
4. Cablecraft® control cables are designed to be non-repairable. Do not perform any repairs to this control cable.
5. Cablecraft® control cables are lubricated for the life of the control cable. Do not remove the seals or lubricate the control cable.
6. A gradual or sudden increase in the no-load (cable free and unattached) friction of a Cablecraft® control cable is a good indication of pending performance problems and/or control cable failure. Serious injury or death may result. Replacement is required.
7. A gradual or sudden decrease in the stroke (travel) length of the Cablecraft® control cable is a good indication of pending performance problems and/or control cable failure. Serious injury or death may result. Replacement is required.
8. Cablecraft® control cables which have moisture inside of them or have frozen, must be replaced. Do not apply heat to attempt to remove the moisture. Applying heat will not remove the moisture. Serious injury or death may result. Replacement is required.

#### WARNING!

*Since the manufacturer is unable to determine all applications in which a part may be placed, it is the user's responsibility to determine the suitability of the part for its intended use. This is especially true where safety is a factor. Incorrect application or installation may result in property damage, bodily injury, or death. For technical assistance, call 260-749-5105.*

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Cablecraft Motion Controls

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