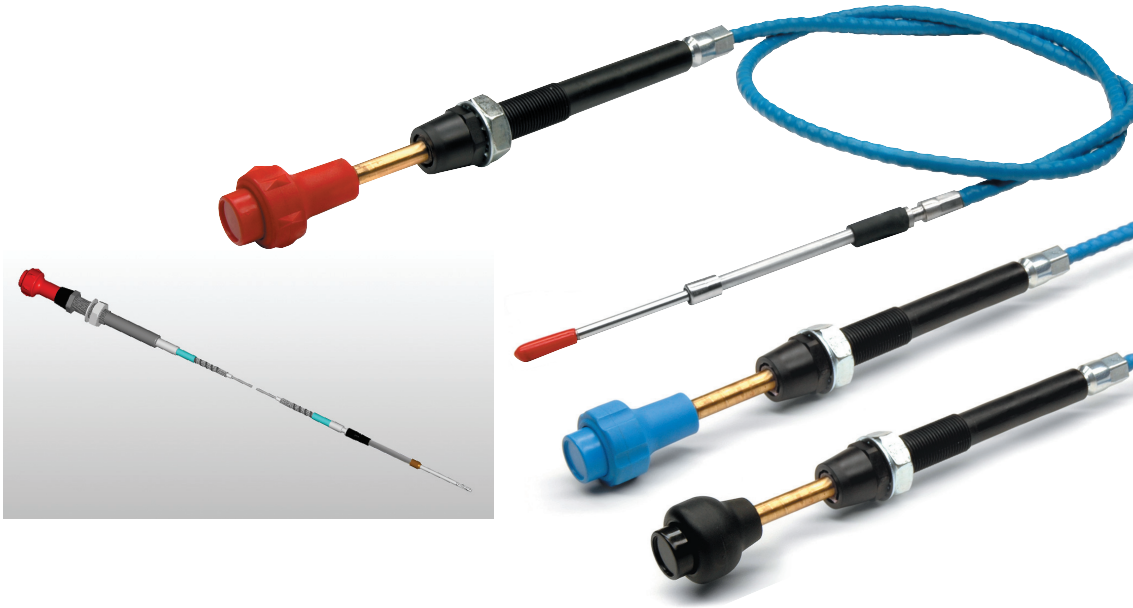


Micro Adjust

Performance Push-Pull Control Head



Control Head Performance

Cablecraft Motion Controls designs and manufactures a wide range of aircraft cables. Our mixture, prop/pitch, and throttle micro adjust controls are compliant with FAA requirements. Depressing the center button allows pushing or pulling the knob to make course travel adjustments. Rotating the knob counter-clockwise retracts the output in the finite mode, and clockwise extends. Four and one-half turns results in 1" of linear travel. Normal vibration does not affect the micro adjust setting. An optional friction lock accessory is available for applications influenced by excessive vibration. A friction lock (only) control head is also available. Various output configurations are available to suit specific applications. The ordering code and technical descriptions show these choices.



Description:

Micro Adjust
Performance Push-Pull
Control Head

Applications:

- General aviation aircraft
- Throttle control
- Mixture control
- Prop/pitch control

Features:

- Glass filled nylon control head
- Travel: 3.00" maximum
- Bend radius: 3.00" minimum & 7.00" minimum
- Operating temp: -65°F — 165°F (input) 230°F (output)

Micro Adjust

Standard Output - Throttle 565-550

Notes: (Design Parameters)

Stroke: 3.00"

Minimum bend radius: 3.00"

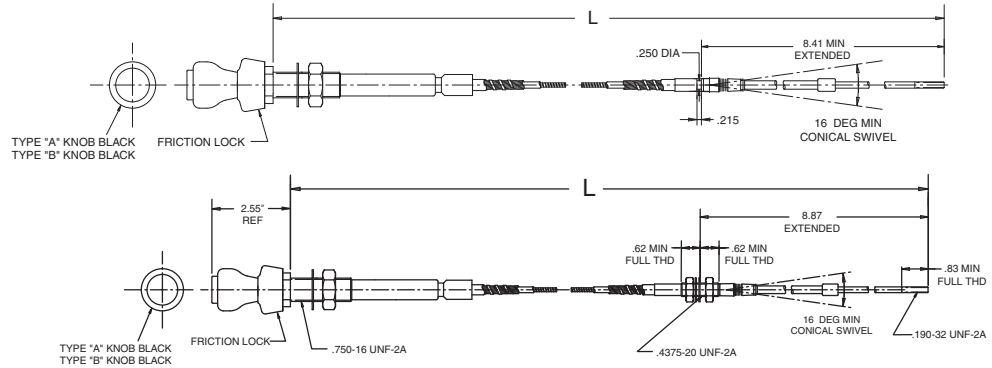
Operating temperature:

from -65°F — +165°F at input end/+230°F at output end

Lost motion: .030" + .0004 per degree of bend with ± 5.0lb of force

Normal load: ± 20lb

Glass filled nylon control head.



Wire Rope Output - Throttle 565-557

Notes: (Design Parameters)

Stroke: 3.00"

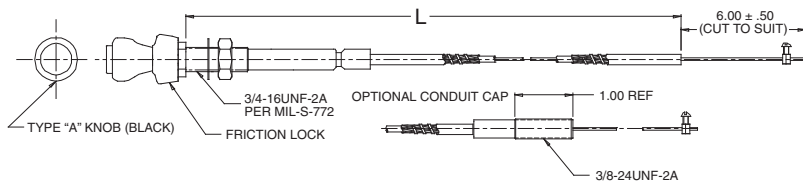
Minimum bend radius: 3.00"

Operating temperature:

from -65°F — +165°F at input end/+230°F at output end

Normal load: Unspecified (determined by installation configuration)

Glass filled nylon control head.



Solid Wire Output - Throttle 565-558

Notes: (Design Parameters)

Stroke: 3.00"

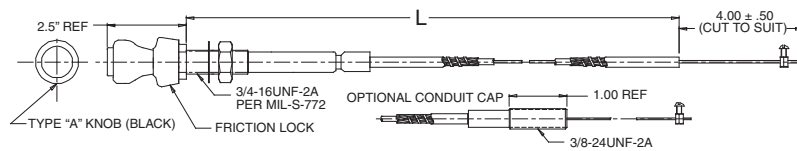
Minimum bend radius: 7.00"

Operating temperature:

from -65°F — +165°F at input end/+230°F at output end

Normal load: Unspecified (determined by installation configuration)

Glass filled nylon control head.



Friction Lock Control - Throttle 565-555

Notes: (Design Parameters)

Stroke: 3.00"

Minimum bend radius: 3.00"

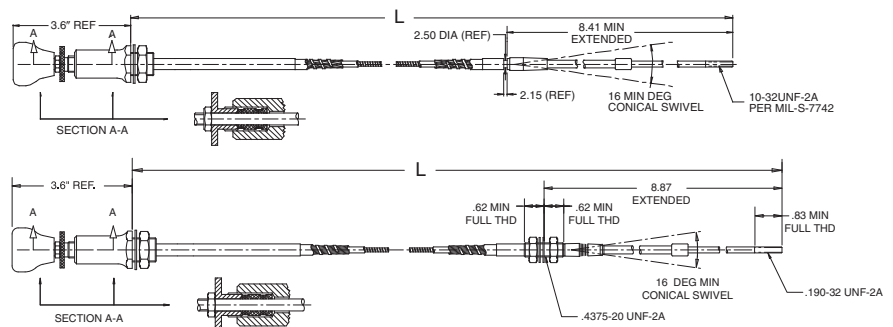
Operating temperature:

from -65°F — +165°F at input end/+230°F at output end

Normal load: 120lb tension, 25lb compression

Glass filled nylon control head.

Lost motion: .030" + .0004 per degree of bend with ± 5.0lb of force



All line art dimensions are represented in inches

Output End Configurations

Standard Output - Mixture 565-550

Notes: (Design Parameters)

Stroke: 3.00"

Minimum bend radius: 3.00"

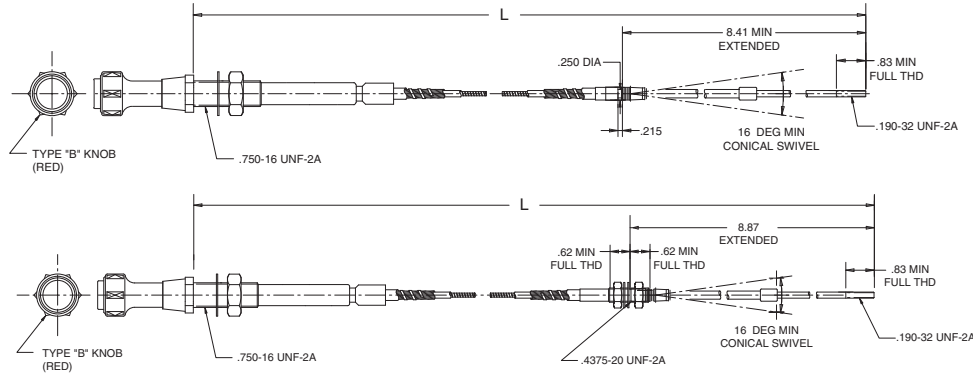
Operating temperature:

from -65°F — +165°F at
input end/+230°F at output end

Lost motion: .030" + .0004 per degree
of bend with ± 5.0lb of force

Normal load: ± 20lb

Glass filled nylon control head.



Wire Rope Output - Mixture 565-557

Notes: (Design Parameters)

Stroke: 3.00"

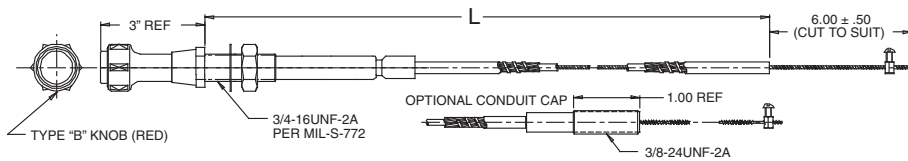
Minimum bend radius: 3.00"

Operating temperature:

from -65°F — +165°F at
input end/+230°F at output end

Normal load: Unspecified (determined
by installation configuration)

Glass filled nylon control head.



Solid Wire Output - Mixture 565-558

Notes: (Design Parameters)

Stroke: 3.00"

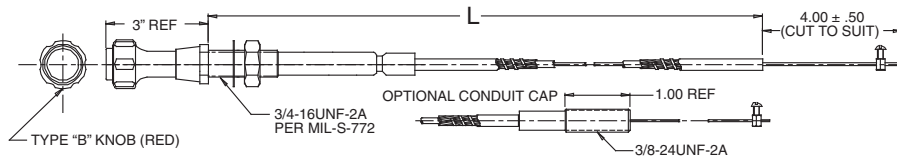
Minimum bend radius: 7.00"

Operating temperature:

from -65°F — +165°F at
input end/+230°F at output end

Normal load: Unspecified (determined
by installation configuration)

Glass filled nylon control head.



Standard Output - Prop/Pitch 565-550

Notes: (Design Parameters)

Stroke: 3.00"

Minimum bend radius: 7.00"

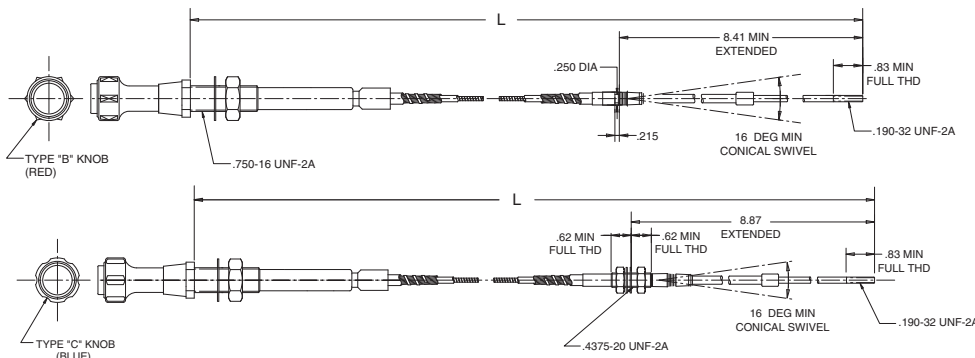
Operating temperature:

from -65°F — +230°F

Normal load: ±20lb

Lost motion: .030" + .0004 per degree
of bend with ± 5.0lb of force

Glass filled nylon control head.



All line art
dimensions
are represented
in inches

Micro Adjust Control Heads

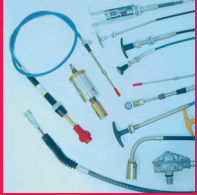
Material

- Stainless Steel or Plated Carbon Steel
- Plastic Coated Carbon Steel Conduit and Innermember
- Plastic Seal
- Plastic Knob

Suggested End Fittings

- Full Range

Linking Motion & Control...
The Cablecraft Solution

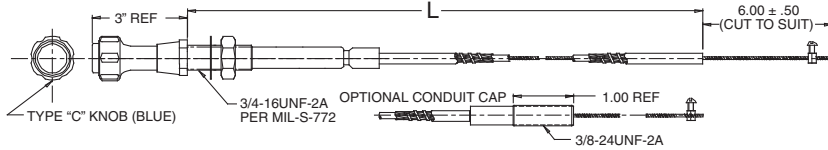


Wire Rope Output - Prop/Pitch 565-557

Notes: (Design Parameters)
Stroke: 3.00"
Minimum bend radius: 3.00"

Operating temperature:
from -65°F — +165°F at
input end/+230°F at output end

Normal load: Unspecified (determined
by installation configuration)
Glass filled nylon control head.

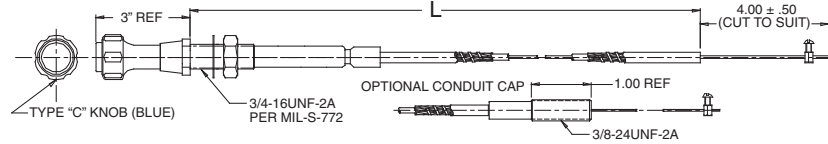


Solid Wire Output - Prop/Pitch 565-558

Notes: (Design Parameters)
Stroke: 3.00"
Minimum bend radius: 7.00"

Operating temperature:
from -65°F — +165°F at
input end/+230°F at output end

Normal load: Unspecified (determined
by installation configuration)
Glass filled nylon control head.



Cablecraft® Ordering Codes

565 - 550 - A - T - XXX - C

I/M type

- 550 = Standard
- 555 = Friction Lock
- 557 = Wire Rope
- 558 = Solid Wire

Input Options

- A = Throttle
- B = Mixture
- C = Prop/Pitch

Output Options

- T = Threaded
- G = Grooved

Cable Length

Conduit Cap

(available only on solid wire & wire rope I/M)

All line art dimensions are represented in inches

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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