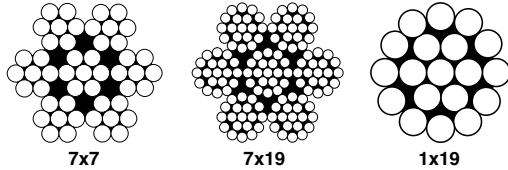


# CABLE – FORKS – PUSHROD FITTINGS

## CONTROL CABLE



- **Galvanized** - MIL-DTL-83420 replaces MIL-2-83420
- **Stainless** - MIL-DTL-83420 replaces both Galvanized & Stainless

| Cable Dia. (In.) | Constr. | Breaking Strength |           | Part Number |          | Price/Ft. |    |
|------------------|---------|-------------------|-----------|-------------|----------|-----------|----|
|                  |         | Galv.             | SS        | Galv.       | SS       | Galv.     | SS |
| 1/16             | 7x7     | 480 lbs.          | 480 lbs.  | 05-03600    | 05-03500 | .         | .  |
| 1/16             | 7x19    | --                | 480 lbs.  | ----        | 05-15069 | ----      | .  |
| 3/32             | 7x7     | 920 lbs.          | 920 lbs.  | 05-03800    | 05-03700 | .         | .  |
| 3/32             | 7x19    | 1000 lbs.         | 920 lbs.  | 05-04000    | 05-03900 | .         | .  |
| 1/8 (Right Lay)  | 1x19    | 2100 lbs.         | 2100 lbs. | ----        | 05-04100 | ----      | .  |
| 1/8              | 7x19    | 2000 lbs.         | 1760 lbs. | 05-04400    | 05-04300 | .         | .  |
| 5/32 (Right Lay) | 1x19    | --                | 3300 lbs. | ----        | 05-04500 | ----      | .  |
| 5/32             | 7x19    | 2800 lbs.         | 2400 lbs. | 05-04800    | 05-04700 | .         | .  |
| 3/16             | 7x19    | 4200 lbs.         | 3700 lbs. | 05-05000    | 05-04900 | .         | .  |
| 1/4              | 7x19    | 7000 lbs.         | 6400 lbs. | 05-05200    | 05-05100 | .         | .  |

## COATED CONTROL CABLES

| Description                            | Part No. | Price/ft. |
|----------------------------------------|----------|-----------|
| 1/16" 7x7 Black Coated Stainless Steel | 15-06042 | .         |

## CONTROL CABLE SPECIFICATIONS

- **7 X 7 FLEXIBLE CONTROL CABLE** - Has seven strands of seven wires each. Used for control purposes where extreme flexibility is not required but where abrasion is a factor.
- **7 X 19 FLEXIBLE CONTROL CABLE** - Has seven strands of 19 wires each. Its greater metallic area makes it stronger than 7 x 7 cable. Because of its fine wires the best service is obtained where abrasion is not too severe. These same wires, however, make it flexible to meet severe bending.
- **1 X 19 NON-FLEXIBLE CABLE** - Is one strand of 19 wires. It has more metallic area than 7 x 7 or 7 x 19 constructions which makes it the strongest but also the least flexible. 1 x 19 is generally used for bracing purposes, drag and anti-drag wires. It is often used with swage type terminals.
- The major difference between aircraft and commercial cable is the lubrication applied to aircraft cable, which provides substantially better fatigue life than non-lubricated commercial cable. Aircraft cable requires extensive extra testing, documentation, certification to meet military specifications. Aircraft Spruce obtains its aircraft cable from domestic sources and the cable is certified to MIL Spec MIL, W-83420 and QPL Certified.

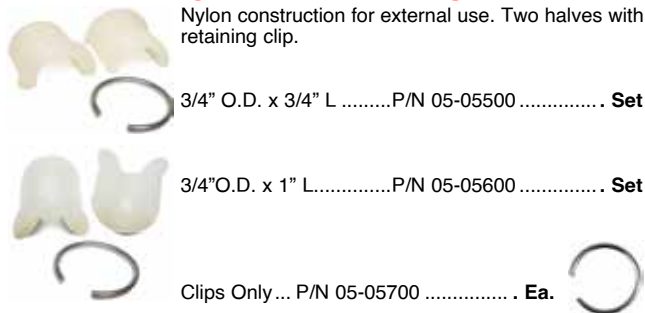
## PRESTRETCHED CABLES

Prestretched cables are a product where the cable has been placed under a load in a reel to reel supplemental operation where either a 50% or 60% load, depending on either Stainless(50%) or Galvanized(60%) material, for a 5 second period. This is done in accordance with MIL-DTL-5688.

| Cable Dia. | Constr. | Galv. Strength | SS Strength | Galv. Part No. | Galv. Per Ft. | SS Part No. | SS Per Ft. |
|------------|---------|----------------|-------------|----------------|---------------|-------------|------------|
| 1/16"      | 7X7     | 480            | 480         | 05-11286       | .             | 05-11445    | .          |
| 3/32"      | 7X7     | 920            | 920         | 05-11287       | .             | 05-11446    | .          |
| 3/32"      | 7X19    | 1000           | 920         | ---            | ---           | 05-11447    | .          |
| 1/8"       | 7X19    | 2000           | 1760        | 05-11289       | .             | 05-11448    | .          |

## CABLE FAIRLEADS

Nylon construction for external use. Two halves with retaining clip.



3/4" O.D. x 3/4" L .....P/N 05-05500 ..... Set

3/4" O.D. x 1" L .....P/N 05-05600 ..... Set

Clips Only ... P/N 05-05700 ..... Ea.

SEE TOOL SECTION FOR CABLE TENSIOMETERS

## CESSNA FLIGHT CONTROL CABLES



These FAA-PMA approved cable assemblies are available in stainless or galvanized cable and are constructed of highest quality U.S. made materials. All components are fully traceable and each assembly is load tested and length stabilized. Over 2000 cable assemblies in stock. Custom cable assemblies can be fabricated to your specification.

- **AS0510105** Series for Cessna 170, 172, 180, 182, and 185
- **AS0400107** Series for Cessna 150, and 152
- **AS1660300** Series for Cessna 188
- **AS62701** Series for Piper PA28, PA32, and PA34
- **ACA** Series for Schweizer G-164

**CALL THE CESSNA/PIPER PARTS SPECIALIST AT 1-877-4SPRUCE WITH YOUR CESSNA OR PIPER CABLE ASSEMBLY PART NUMBER FOR PRICING OR FOR ASSISTANCE IN DETERMINING THE PART NUMBER YOU REQUIRE FOR YOUR AIRCRAFT.**

## BEECH FLIGHT CONTROL CABLES



McFarlane Beechcraft flight control cables and chains are coated with a corrosion inhibiting compound that meets Military Specification MIL-PRF-16173. This is the same compound used on all factory original Beechcraft flight control cables. FAA/PMA

| Model                         | Part No. | Price |
|-------------------------------|----------|-------|
| MCNAS30327-0590 Tab Actuating | 05-04625 | .     |
| MCNAS30434-1520               | 05-04624 | .     |
| MC33-524000-17                | 05-06981 | .     |
| MC35-524385                   | 05-06985 | .     |
| MCNAS31414-1871               | 05-06987 | .     |
| MCNAS31514-1871               | 05-06988 | .     |
| MCNAS30425-0100               | 05-06989 | .     |

## PUSHROD THREADED END FITTING



Fits 5/8" diameter pushrods. 1/4 - 28 threaded hole. Secure to aluminum pushrod with two cross riveted or bolted fasteners. Made from 6061-T6 5/8" diameter x 1-5/8" long rod. Two sizes available. Fits: 5/8" x .058" tube...P/N 05-01150 .....



## PUSHROD FORKED END FITTING

Fits 5/8" diameter pushrods. 3/16" pivot hole with .090" wide slot for bellcrank. Secure to aluminum pushrod with two cross riveted or bolted fasteners. Made from 6061-T6 5/8" diameter x 2-3/8" long rod. Two sizes available. Fits: 5/8" x .058" tube.....P/N 05-01130 ..... ea.

## RUDDER CABLE FAIRING SETS FOR RV'S



Pre-formed .025" thick aluminum fairings for rudder cable exit on RV fuselages. (None are supplied with the RV kits). Set contains (2) identical fairings - 1 for use on cables and 1 spare (could be used on elevator trim). Each will require some trimming to fit before riveting.

P/N 12-00635 .....