

CABLE – FORKS – PUSHROD FITTINGS

CONTROL CABLE

7 x 7 7 x 19 1 x 19



Cable Dia. (In.)	Con-Struc-tion	Breaking Strength (Lbs.)		Part Number		Price/Ft.	
		Galva-nized	Stainless	Galva-nized	Stainless	Galva-nized	Stain-less
1/16	7x7	480	480	05-03600	05-03500	.	.
3/32	7x7	920	920	05-03800	05-03700	.	.
3/32	7x19	1000	920	05-04000	05-03900	.	.
1/8	1x19	2100	2100	05-04200	05-04100	.	.
1/8	7x19	2000	1760	05-04400	05-04300	.	.
5/32	1x19	3300	3300	05-04600	05-04500	.	.
5/32	7x19	2800	2400	05-04800	05-04700	.	.
3/16	7x19	4200	3700	05-05000	05-04900	.	.
1/4	7x19	7000	6400	05-05200	05-05100	.	.

CABLE SPECIFICATIONS

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

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.

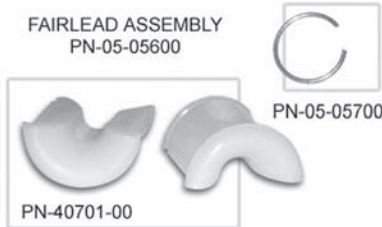
• **1 X 19 NON-FLEXIBLE CABLE** - Is one strand of 19 wires. It has more metallic area than 7 x 7 or 7 x 19 constructions which makes it the strongest but also the least flexible. 1 x 19 is generally used for bracing purposes, drag and anti-drag wires. It is often used with swage type terminals.

• 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.

AP

CABLE FAIRLEADS

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



Less 15% for 12 or more
 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 TENSIMETERS

WING STRUT ADJUSTMENT FORK & BARREL SETS



Forks have 7/16 x 20 male threads and mate with an internally threaded steel barrel which is welded into strut allowing adjustment as required. Barrel has 7/16 x 20 undersize thread to permit retaping after welding. All forks have rolled threads and 100% magnafluxed. FAA Approved.

Barrels P/N 05-05900 **ea**
 Forks w/ 5/16" dia. hole (equivalent to Piper P/N 13770-00) **ea**
 P/N 05-06000 **ea**
 Use AN25-14 clevis bolt **ea**
 Forks with 3/8" dia. hole (equivalent to Piper P/N 14481-00) **ea**
 P/N 05-06100 **ea**

WIRE SWIVELS

OD	ID	Length	Conduit	Part No.
.437 x .312	.225 x .100	3/4	3/16	2361

P/N 06-01282.....

CONDUIT RETAINER - STRAIGHT

OD	ID	Length	Conduit	Part No.
5/16-24	.260	2	7/32	2386

P/N 06-01281.....

ASSORTED SPRINGS

Spring	Part No.	Application	Spring Type	Length	Price ea.
Century Spring #186-C	01-27200	VariEze	Tension	2"	.
Rudder Return Spring	01-27300	"	Tension	4 1/2"	.
Landing Brake	01-27600	VE/Long-EZ	Tension	10"	.
Tension Spring*	01-37500	"	Tension	30"	.
Landing Brake	01-27900	Cozy	Tension	12 1/2"	.

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.

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 .049" tube P/N 05-01140
 Fits: 5/8" x .058" tube P/N 05-01150

PUSHROD BALL ROLLER GUIDES



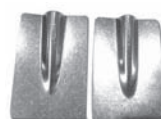
Provides almost frictionless push - pull and rotary movement of aileron and elevator push rods. Design is similar to that used in German sailplanes. Unit contains four nylon roller balls and provides 3.5" pushrod travel. Aluminum case size, 1.25" x 3.0" long. Fits 5/8" diameter pushrods..... P/N 05-01110 **ea.**

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 .049" tube P/N 05-01120 **ea.**
 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.....

BOWDEN CABLE INNER WIRE



Stainless stainless steel wire .078" diameter. Sold by the foot. P/N 05-15510.....