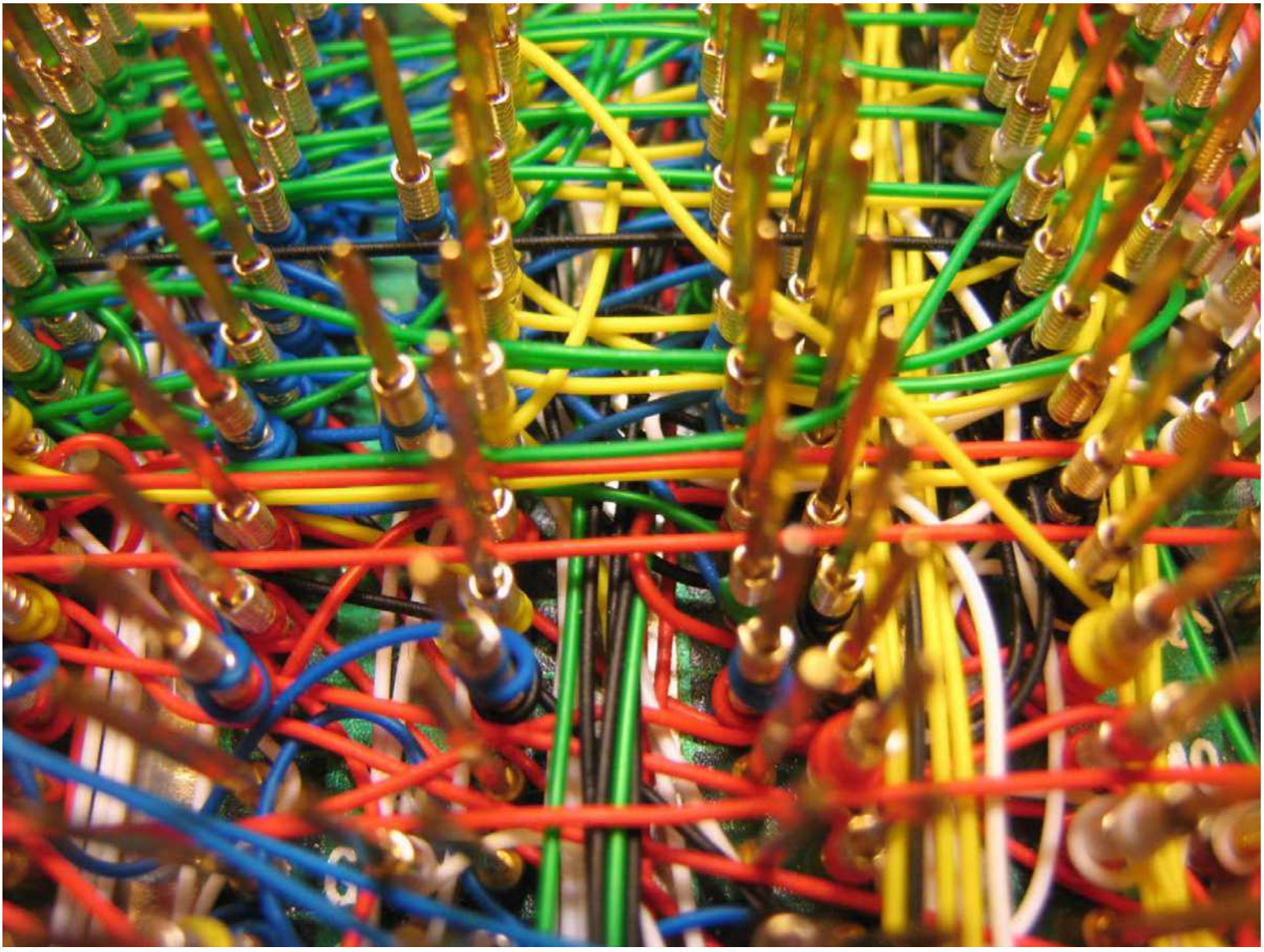


FLEXCON
Test Connectors

FLEXCON 2015
Product & Specifications Overview

PELCO COMPONENT TECHNOLOGIES



FLEXCON Flexible Test Connectors

SECOND TO NONE IN CONTINUITY, SIGNAL AND VOLTAGE TESTING

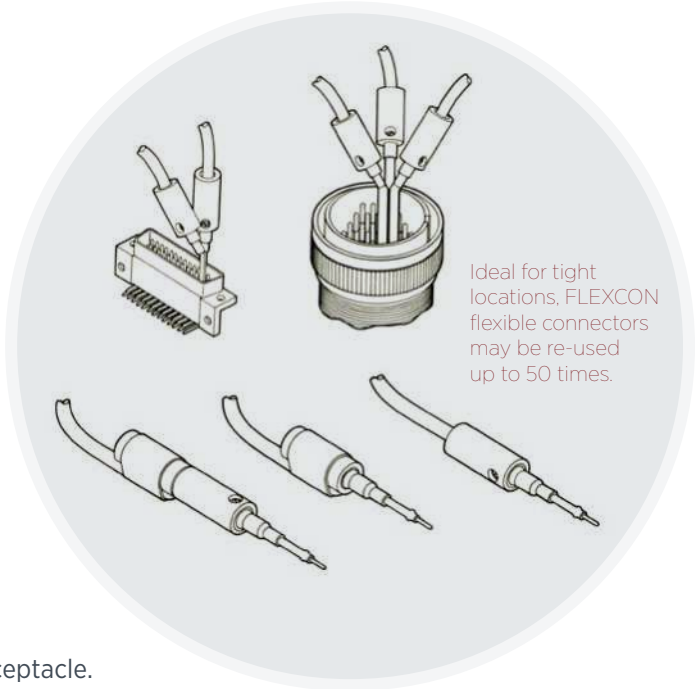
Whenever connector reliability is important, you'll find NASA-approved FLEXCON test connectors. Applications include electronic, electrical and communications systems, computers, space vehicles, missiles, aircraft and other military equipment.

The reason is FLEXCON's durable yet easy-to-use design. Each test connector is good for up to fifty bends. That's because all FLEXCON test connector joints are induction soldered, not crimped.

Even in the tightest spaces, FLEXCON connectors provide accessibility without damaging pins. FLEXCON offers you three hook-up options: permanent hook-up by capturing the wire down the barrel; in the side, capturing the wire with a set screw in the barrel to permit stacking; or in the barrel itself through an interchangeable converter on a banana plug that allows you to change sizes quickly and easily.

FLEXCON test connectors also offer a safe and easy way to patch, probe or connect into "MS/AN", miniature and sub-miniature connectors, as well as into commercial connectors. And when it comes to continuity, signal and voltage testing, FLEXCON test connectors are second to none.

Reliability, durability and ease-of-use set FLEXCON test connectors ahead of the rest. **Specify FLEXCON single-contact flexible test connectors.**

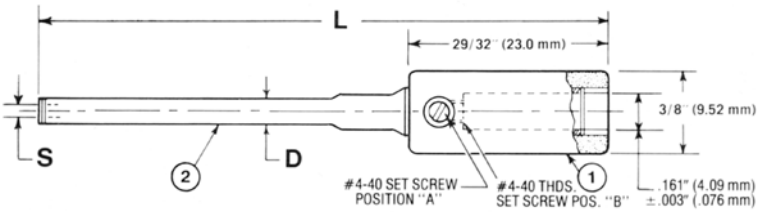


Ideal for tight locations, FLEXCON flexible connectors may be re-used up to 50 times.

SPECIFICATIONS & USES

- Pin and socket sizes 22, 20, 16, 12 and 8 conform to MIL Spec dimensions.
- Heavy silver and/or gold contact plating.
- Bi-axial lead attachment feature provides four methods of connection:
  1 Barrel lead entrance with set screw in side.
  2 Side lead entrance with set screw in barrel.
  3 Banana plug terminated test lead plugs into .161 I. D. FLEXCON receptacle.
  4 Combination of 2 and 3 for multiple pick-off signals and voltages.
- FLEXCON shaft bends when subjected to accidental side loads during plug-in to prevent mating connector contact and/or insert damage.
- Easy adjacent contact plug-in by bending FLEXCON's shaft.
- Completely insulated for "live circuit" testing. Safe adjacent contact plug-in even with power ON.
- Pin contact FLEXCONS can be used as test gauges for checking corresponding size socket contact's relative retention quality.
- Probe 8-pin and 11-pin relay sockets with 590-12P and 590-12S.
  Probe 7 or 9-pin miniature sockets and tubes with 620-20P and 620-20S.
- Use 590-16S for .045 or .062, 620-20S for .036 and 620-22S for .025 wire wrapped terminal test connectors.

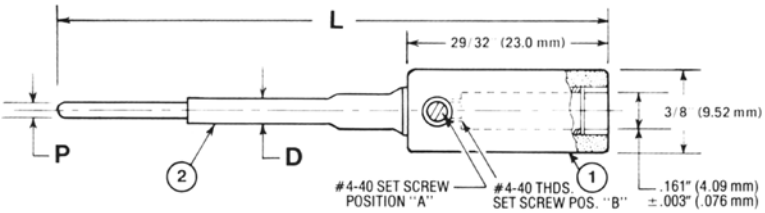
SOCKET TYPE FLEXCON





TYPE	D		L		S		CONTACT PLATING	CURRENT RATING	WORKING VOLTS	BEND FORCE
	inch ±.015	mm ±.396	inch ±.0625	mm ±1.58	inch ±.001	mm ±.025				
620-22S	.080	2.03	2.125	54.0	.034	.86	Gold	3A	600V	3-6oz.
620-20S	.106	2.70	2.15625	54.8	.043	1.09	Gold	5A	600V	10-12oz.
590-16S	.159	4.04	2.59375	65.9	.067	1.70	Silver	10A	600V	20-24oz.
590-12S	.209	5.31	2.625	66.7	.099	2.51	Silver	15A	600V	26-30oz.
590-8S	.260	6.60	2.84375	72.2	.147	3.73	Silver	20A	600V	36-40oz.

PIN TYPE FLEXCON





TYPE	D		L		S		CONTACT PLATING	CURRENT RATING	WORKING VOLTS	BEND FORCE
	inch ±.015	mm ±.396	inch ±.0625	mm ±1.58	inch ±.001	mm ±.025				
620-22P	.080	2.03	2.125	54.0	.031	.787	Gold	3A	600V	3-6oz.
620-20P	.106	2.70	2.15625	54.8	.040	1.02	Gold	5A	600V	10-12oz.
590-16P	.159	4.04	2.5625	65.0	.062	1.57	Silver	10A	600V	20-24oz.
590-12P	.209	5.31	2.59375	65.8	.094	2.39	Silver	15A	600V	26-30oz.
590-8P	.260	6.60	2.8125	71.4	.142	3.61	Silver	20A	600V	36-40oz.

NOTES

BEND FORCE	Force required to bend shaft 90 degrees
INSULATION	1. High Impact Polystyrene 2. High Heat Vinyl Sleeving, 150°C
CONTACT MATERIAL	Brass Alloy
RECEPTACLE MATERIAL	Brass, Nickel Plated
SET SCREW	Can be used in Position "A" or "B"
TOLERANCES	Decimal ±.005" (.127mm), Fractional ±1/32" (.787mm) unless otherwise noted

FLEXCONS are sold in packages of 24 pieces only.
Minimum order: 1 pkg/24 pcs.

Available in red and black. Please specify color when ordering.

All sockets are final checked on strain gauge before shipping.

Number 20 and Number 22 pins and sockets are gold plated. Larger sizes are bright silver plated.

Custom sizes are available on special order; minimum quantity required.

Military stock numbers are available on request.

FLEXCONS are also available in specially packaged kits.

2747 Route 20 East • Cazenovia, New York • Tel: 855 227 3526 • flexcontestconnector.com

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