

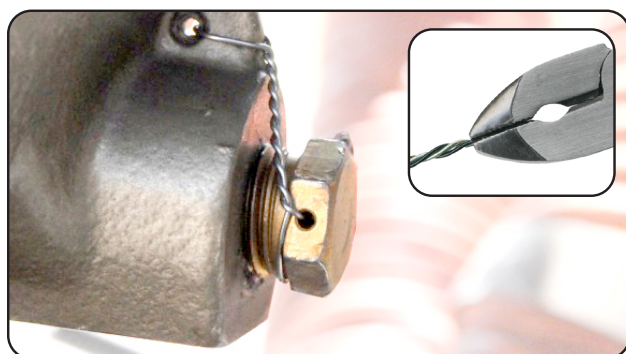
SAFETY LOCK WIRE

ALERT SALES
Metal Finishing and Aerospace Products

2020

ALLOYS AVAILABLE

Stainless Steel
Monel
Inconel
Oxidized Inconel
Copper
Brass



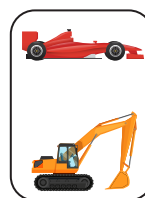
- **Competitive Prices**
- **Fast Shipping From Stock**
- **Made in USA Since 1976**
- **ISO 9001: 2015 Certified Factory**
- **DFARS Compliant Wire Available Upon Request**



Safety Lock Wire is a reliable method of securing fasteners from loosening or falling out due to vibration and other forces. It also provides a highly visible and easily inspectable indication that the fasteners in question are properly secured.



Safety Lock Wire is used extensively throughout most airplanes and helicopters to secure nuts, bolts, fasteners, and cannon plugs on the airframe, APUs, engines, landing gear, brakes, hydraulics, pneumatics, instrument panels and on numerous other parts.



Safety Wire is also used on race cars, motorcycles, cranes, construction equipment and machines. And it is a great all-purpose, useful tool to have in any garage, farm or workshop much like duct tape.

T302/304 STAINLESS STEEL

CONFORMS TO SPECIFICATIONS

NASM20995C
MS20995C
ASTM A580 Cond A
AMS5697

Stainless Steel provides good corrosion resistance and can generally be used in temperatures up to 700° F (371° C). Safety/Lock Wire is tempered wire used in many industries to secure nuts, bolts, and hardware subject to vibration. It offers greater security than a cotter pin or lock washer, and can also be used for numerous jobs around the home, farm, auto, and factory. Available in a convenient 1 lb. plastic dispenser with screw-on lid and belt clip and 5 lb. spools.

All plastic dispenser cans feature a screw-on lid with dual reinforced wire cleat and convenient belt clip.



1 lb (0.45 kg)
Dispenser Can

Stainless Steel 1 lb (0.45 kg) Dispenser Cans

PART NUMBER	DIAMETER	DESCRIPTION
MC0200-1#D	.020 in (0.51 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 925 ft (281 m)
MC0210-1#D	.021 in (0.53 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 840 ft (256 m)
MC0250-1#D	.025 in (0.63 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 595 ft (181 m)
MC0280-1#D	.028 in (0.71 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 474 ft (144 m)
MC0320-1#D	.032 in (0.81 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 362 ft (110 m)
MC0400-1#D	.040 in (1.01 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 231 ft (71 m)
MC0410-1#D	.041 in (1.04 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 221 ft (67 m)
MC0470-1#D	.047 in (1.19 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 168 ft (51 m)
MC0510-1#D	.051 in (1.29 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 143 ft (43 m)
MC0630-1#S*	.063 in (1.60 mm),	T302/304 Stainless Steel, 1 lb (0.45 kg) Disp., approximately 93 ft (13 m)

*spool only

Stainless Steel 5 lb (2.26 kg) Spools

PART NUMBER	DIAMETER	DESCRIPTION
MC0200-5#S	.020 in (0.51 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 4,625 ft (1,409 m)
MC0210-5#S	.021 in (0.53 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 4,200 ft (1,280 m)
MC0250-5#S	.025 in (0.63 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 2,975 ft (906 m)
MC0320-5#S	.032 in (0.81 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 1,810 ft (551 m)
MC0400-5#S	.040 in (1.01 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 1,155 ft (352 m)
MC0410-5#S	.041 in (1.04 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 1,105 ft (336 m)
MC0470-5#S	.047 in (1.19 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 840 ft (256 m)
MC0510-5#S	.051 in (1.29 mm),	T302/304 Stainless Steel, 5 lb (2.26 kg) Spool, approximately 715 ft (217 m)



5 lb (2.26 kg)
Dispenser Can

1/4 lb spools are available by request. Please contact our sales department for availability and pricing.



Additional diameters and spool lengths available. Please contact our sales department for more information.

INCONEL 600



1 lb (0.45 kg)
Dispenser Can

CONFORMS TO SPECIFICATIONS

NASM20995N
MS20995N
ASTM B166
AMS5687

Inconel 600 is a corrosion resistant alloy that can withstand higher temperatures than stainless steel and Monel. It can be used for general lock wire up to 900° F (482° C). Note: at temperatures between 800° - 900° F (427° - 482° C) the tensile can begin to decrease.

Inconel 600 1 lb (0.45 kg) Dispenser Cans

PART NUMBER	DIAMETER	DESCRIPTION
MN0250-1#D	.025 in (0.64 mm), Inconel 600, 1 lb (0.45 kg) Disp., approximately 560 ft (170 m)	
MN0320-1#D	.032 in (0.81 mm), Inconel 600, 1 lb (0.45 kg) Disp., approximately 341 ft (103 m)	
MN0410-1#D	.041 in (1.04 mm), Inconel 600, 1 lb (0.45 kg) Disp., approximately 208 ft (63.4 m)	

Additional diameters and spool lengths available. Please contact our sales department for more information.

OXIDIZED INCONEL 600



1 lb (0.45 kg)
Dispenser Can

CONFORMS TO SPECIFICATIONS

NASM9226
MS9226
ASTM 5687

Oxidized Inconel 600 is a corrosion resistant alloy that has a special gray-blue finish for identification purposes to distinguish it from stainless steel and Monel. Use Oxidized Inconel for general lock wire at temperatures up to 900° F (482° C). Note: at temperatures between 800° - 900° F (427° - 482° C) the tensile can begin to decrease.

Oxidized Inconel 1 lb (0.45 kg) Dispenser Cans

PART NUMBER	DIAMETER	MIL SPEC	DESCRIPTION
MOI0200-1#D	.020 in (0.51 mm),	MS9226-02	Oxidized Inconel, 1 lb (0.45 kg) Disp., approximately 870 (265 m)
MOI0250-1#D	.025 in (0.64 mm),	MS9226-03	Oxidized Inconel, 1 lb (0.45 kg) Disp., approximately 560 (170 m)
MOI0320-1#D	.032 in (0.81 mm),	MS9226-04	Oxidized Inconel, 1 lb (0.45 kg) Disp., approximately 341 (103 m)
MOI0400-1#D	.040 in (1.02 mm),	MS9226-05	Oxidized Inconel, 1 lb (0.45 kg) Disp., approximately 217 (66 m)

Additional diameters and spool lengths available. Please contact our sales department for more information.

MONEL 400



1 lb (0.45 kg)
Dispenser Can

CONFORMS TO SPECIFICATIONS

NASM20995NC
MS20995NC
ASTM B164

Monel 400 is a nickel-copper alloy that provides maximum corrosion resistance compared to stainless steel. Monel is considered “non-sparking”, which is a unique distinction over traditional stainless steel. This is ideal for locations where you don’t want a spark such as around fuel systems. Use Monel 400 for general lock wire temperatures up to 700° F (371° C).

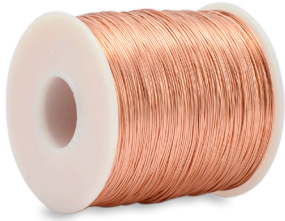
Monel is a registered trademark of Special Metal Corporation.

Monel 400 1 lb (0.45 kg) Dispenser Cans

PART NUMBER	DIAMETER	DESCRIPTION
MNC0200-1#D	.020 in (0.51 mm), Monel 400, 1 lb (0.45 kg) Disp., approximately 830 ft (252 m)	
MNC0250-1#D	.025 in (0.64 mm), Monel 400, 1 lb (0.45 kg) Disp., approximately 560 ft (170 m)	
MNC0320-1#D	.032 in (0.81 mm), Monel 400, 1 lb (0.45 kg) Disp., approximately 341 ft (103 m)	
MNC0400-1#D	.040 in (1.04 mm), Monel 400, 1 lb (0.45 kg) Disp., approximately 231 ft (70 m)	

Additional diameters and spool lengths available. Please contact our sales department for more information.

COPPER 110



1 lb (0.45 kg)
Spool

CONFORMS TO SPECIFICATIONS

ASTM B3

Copper wire is generally used as break-away lock wire for affixing parts that must be secure under vibration, but which need to be accessed quickly. These wires can be broken or sheared with minimal effort, and allow faster unlocking than stainless steel and other alloys. Generally not for use in high temperature applications.

Copper 1 lb (0.45 kg) Spools

PART NUMBER	DIAMETER	DESCRIPTION
MCU-0126-1#S	.0126 in (0.30 mm), 28 Gauge, Copper 110, 1 lb (0.45 kg) Spool, approximately 2,069 ft (630 m)	
MCU-0159-1#S	.0159 in (0.40 mm), 26 Gauge, Copper 110, 1 lb (0.45 kg) Spool, approximately 1,294 ft (394 m)	
MCU-0201-1#S	.0201 in (0.51 mm), 24 Gauge, Copper 110, 1 lb (0.45 kg) Spool, approximately 813 ft (247 m)	
MCU-0253-1#S	.0253 in (0.64 mm), 22 Gauge, Copper 110, 1 lb (0.45 kg) Spool, approximately 513 ft (156 m)	
MCU-0320-1#S	.0320 in (0.81 mm), 20 Gauge, Copper 110, 1 lb (0.45 kg) Spool, approximately 315 ft (96 m)	
MCU-0403-1#S	.0403 in (1.02 mm), 18 Gauge, Copper 110, 1 lb (0.45 kg) Spool, approximately 202 ft (61.6 m)	

Additional diameters and spool lengths available. Please contact our sales department for more information.

BRASS C260



1 lb (0.45 kg)
Dispenser Can

CONFORMS TO SPECIFICATIONS

ASTM B134
QQ-W-321

Pilots and aviation engineers utilize brass breakaway wire for everyday maintenance jobs. Although strong and durable, brass wire can be broken or sheared with minimal effort, and allow faster unlocking than stainless steel and other alloys. Generally not for use in high temperature applications.

Brass 1 lb (0.45 kg) Dispenser Cans

PART NUMBER	DIAMETER	DESCRIPTION
MBR-0320-1#D	.032 in (0.81 mm), Brass C260, 1 lb (0.45 kg) Spool, approximately 336 ft (102.4 m)	
MBR-0410-1#D	.041 in (1.04 mm), Brass C260, 1 lb (0.45 kg) Spool, approximately 205 ft (63.4 m)	

Additional diameters and spool lengths available. Please contact our sales department for more information.

KITS AND TOOLS



Lanyard Kit

Each Lanyard Kit contains a 30 ft (9.2 m) spool of 1x7 Nylon Coated Stainless Steel wire 60 lb (27 kg), 25 copper crimping sleeves, Deluxe Crimping & Cutting Pliers, and detailed instructions all inside a convenient storage box. Available in two configurations: Black Wire/Crimps and Bright Wire/Crimps.

Lanyard Kits

PART NUMBER	DESCRIPTION
PKC-060B	Black, 30 ft (9.2 m) Wire, Black Sleeves 25 pc, 8.5 in (21 cm) Crimp Tool, Storage Box
PKC-060T	Bright, 30 ft (9.2 m) Wire, Bright Sleeves 25 pc, 8.5 in (21 cm) Crimp Tool, Storage Box

Note: Tool and Crimp Sleeves are imported and outside ISO 9001: 2015 scope.



Twisting Tools

Special, econo-priced tool designed to attach wire rapidly and consistently. Simple one-pull action and automatic return twists wire quickly into a strand that will not unravel. Tool can also be used as a soft wire cutter. Hardened and tempered. Choose from the 8¼" (21.6cm) or the 10½" (26.7cm).

Note: Tools are imported and outside ISO 9001: 2015 scope.

Twister Tools

PART NUMBER	DESCRIPTION
MTWISTERSM-LOCK	Wire Twister, 8.25 in (21 cm)
MTWISTER-LOCK	Wire Twister, 10.5 in (26.7 cm)