

## PRECISION MINIATURE AND SMALL CABLES STAINLESS STEEL CABLE, NYLON, AND VINYL COATED

PART NO.	UNCOATED					WITH NYLON COATING (See Notes 1 & 3 on pg. 5)			WITH VINYL COATING (See Notes 2 & 3 on pg. 5)			APPROXIMATE WEIGHT PER 100 FEET			
	NOMINAL DIAMETER		CON-STRUC-TION	MIN. BREAKING STRENGTH		PART NO.	COATING DIAMETER		PART NO.	COATING DIAMETER		UNCOATED		COATED	
	in.	mm		lbs.	kg		in.	mm		in.	mm	lbs.	kg	lbs.	kg
2006	.006	.152	1x7	5	2.3	2006SN	.010	.254				0.01	0.00	0.01	0.00
2009	.009	.229	3x7	10	4.5	2009SN	.014	.356				0.02	0.01	0.02	0.01
2010	.010	.254	7x7	15	6.8	2010SN	.014	.356				0.02	0.01	0.02	0.01
2011	.012	.305	1x7	20	9.1	2011SN	.019	.483				0.03	0.01	0.04	0.02
2012	.013	.305	3x7	18	8.2	2012SN	.019	.483				0.03	0.01	0.04	0.02
2014	.014	.356	7x7	26	11.8	2014SN	.019	.483				0.03	0.01	0.04	0.02
2015	.016	.406	1x7	30	13.6	2015SN	.024	.610				0.04	0.02	0.05	0.02
2016	.017	.432	3x3	26	11.8	2016SN	.024	.610				0.04	0.02	0.05	0.02
2017	.019	.483	1x7	40	18.1	2017SN	.024	.610				0.06	0.03	0.07	0.03
2018	.018	.457	7x7	40	18.1	2018SN	.024	.610	2018SV	.024	.610	0.05	0.02	0.06	0.03
2019	.018	.457	7x19	40	18.1	2019SN	.024	.610				0.05	0.02	0.06	0.03
2020	.018	.457	1x19	45	20.5	2020SN	.024	.610				0.05	0.02	0.06	0.03
2023	.024	.610	7x7	70	31.8	2023SN	.030	.762				0.12	0.05	0.14	0.06
2024	.024	.610	7x19	70	31.8	2024SN	.030	.762				0.12	0.05	0.14	0.06
2027	.027	.686	7x7	90	40.8	2027SN	.034	.864				0.13	0.06	0.15	0.07
2030	.032	.813	3x7	110	49.9	2030SN 2030SN1	.037 3/64	.940 1.19	2030SV 2030SV1	.037 3/64	.940 1.19	0.16 0.16	0.07 0.07	0.22 0.31	0.10 0.14
2031	.032	.813	7x7	120	54.4	2031SN	.037	.940				0.16	0.07	0.22	0.10
2032	.032	.813	7x19	120	54.4	2032SN	.037	.940				0.16	0.07	0.22	0.10
2033	.032	.813	7x49	100	45.4	2033SN	.037	.940				0.16	0.07	0.22	0.10
2036	.035	.914	7x7	160	72.6	2036SN	.044	1.12				0.23	0.10	0.26	0.12
2037	.038	.965	7x19	160	72.6	2037SN	.046	1.17				0.23	0.10	0.26	0.12
2038	.038	.965	49+(8x19)	160	72.6	2038SN	.046	1.17				0.23	0.10	0.26	0.12
2039	.038	.965	1x19	160	72.6	2039SN	.046	1.17				0.23	0.10	0.26	0.12
2045	.044	1.12	7x19	220	100	2045SN	.052	1.32				0.35	0.16	0.39	0.18
2046	.046	1.17	7x7	225	100	2046SN	.052	1.32				0.37	0.17	0.41	0.19
2047	.044	1.12	7x49	170	77.1	2047SN	.052	1.32				0.35	0.16	0.39	0.18
2048	3/64	1.19	7x7	270	122	2048SN2	1/16	1.59	2048SV2	1/16	1.59	0.42	0.19	0.49	0.22
2049	3/64	1.19	1x19	335	152	2049SN2	1/16	1.59				0.55	0.25	0.65	0.29
2050	3/64	1.19	7x19	270	122	2050SN2	1/16	1.59				0.55	0.25	0.65	0.29
2054	.054	1.37	7x49	250	113	2054SN2	1/16	1.59				0.55	0.25	0.65	0.29
2063	1/16	1.59	1x19	500	227	2063SN3	3/32	2.38	2063SV3	3/32	2.38	0.85	0.39	1.10	0.50
2064	1/16	1.59	7x7	480	218	2064SN3 2064SN4	3/32 1/8	2.38 3.18	2064SV3 2064SV4	3/32 1/8	2.38 3.18	0.75 0.75	0.34 0.34	0.93 1.50	0.42 0.68
2065	1/16	1.59	7x19	480	218	2065SN3	3/32	2.38	2065SV3	3/32	2.38	0.75	0.34	0.93	0.42
2080	5/64	1.98	7x19	700	318	2080SN3	3/32	2.38				1.42	0.64	1.60	0.73
2081	5/64	1.98	7x49	550	250	2081SN3	3/32	2.38				1.42	0.64	1.60	0.73
2082	5/64	1.98	7x7	800	360	2082SN3	3/32	2.38				1.42	0.64	1.60	0.73
2093	3/32	2.38	1x19	1200	544	2093SN4	1/8	3.18	2093SV4	1/8	3.18	2.00	0.91	2.20	1.00
2094	3/32	2.38	7x7	920	417	2094SN4 2094SN5 2094SN6	1/8 5/32 3/16	3.18 3.97 4.76	2094SV4 2094SV5 2094SV6	1/8 5/32 3/16	3.18 3.97 4.76	1.60 1.60 1.60	0.73 0.73 0.73	1.85 2.18 2.67	0.84 0.99 1.21
2095	3/32	2.38	7x19	920	417	2095SN4	1/8	3.18	2095SV4	1/8	3.18	1.74	0.79	1.99	0.90
2124	1/8	3.18	1x19	2100	953	2124SN6	3/16	4.76				3.50	1.59	4.30	1.95
2125	1/8	3.18	7x7	1700	771	2125SN6	3/16	4.76	2125SV6	3/16	4.76	2.80	1.27	3.60	1.63
2126	1/8	3.18	7x19	1760	798	2126SN6	3/16	4.76	2126SV6	3/16	4.76	2.90	1.32	3.62	1.64
2158	5/32	3.97	7x19	2400	1089	2158SN7	7/32	5.56	2158SV7	7/32	5.56	4.50	2.04	5.40	2.45
2188	3/16	4.76	7x19	3700	1678	2188SN8	1/4	6.35	2188SV8	1/4	6.35	6.50	2.95	8.60	3.90
2252	1/4	6.35	7x19	6400	2903	2252SN10	5/16	7.94	2252SV10	5/16	7.94	11.00	4.99	13.50	6.12
2315	5/16	7.94	7x19	9000	4082	2315SN13	13/32	10.32	2315SV13	13/32	10.32	17.30	7.85	20.40	9.25
2375	3/8	9.53	7x19	12000	5443	2375SN15	15/32	11.91	2375SV15	15/32	11.91	24.30	11.02	28.00	12.70

NOTES: All coatings are extruded with natural plastic. Many are available in black and other colors for a nominal cost.  
2030SN1 cable was previously 2030SN2, 2158 cable was 2168.



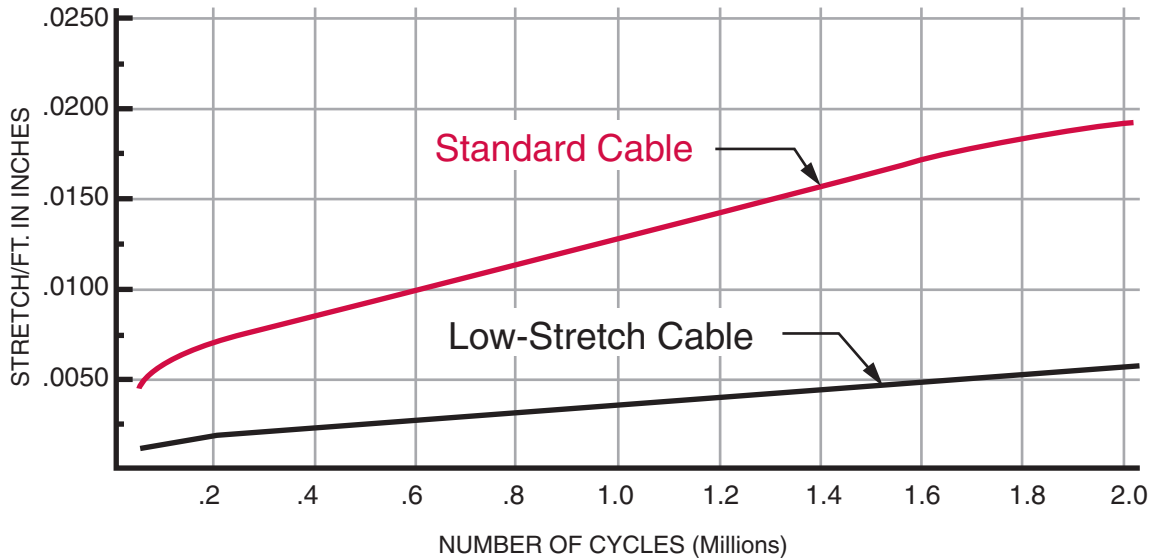
## SAVA LOW-STRETCH HIGH-FATIGUE MINIATURE STAINLESS STEEL CABLE

Low-stretch cables solve the problem of tension loss in small cable drive systems. Stretch reduction of up to 300% compared to standard cables under dynamic working conditions can be

realized. These newly developed cables are designed to reduce to practical insignificance the loss of resolution caused by stretch.

UNCOATED			NYLON COATED			CONSTRUCTION	MIN. BREAKING STRENGTH		APPROX. WT. (100 FT.)			
PART NO.	NOM. DIA.		PART NO.	COATING O.D.			lbs.	kg	UNCOATED		COATED	
	in.	mm		in.	mm				lbs.	kg	lbs.	kg
1021	.021	.534	1021SN	.027	.686	7x7	50	22.7	0.11	0.04	0.12	0.05
1023	.024	.610	1023SN	.030	.762	7x7	70	31.8	0.12	0.05	0.14	0.06
1024	.024	.610	1024SN	.030	.762	7x19	60	27.2	0.12	0.05	0.14	0.06
1027	.027	.686	1027SN	.034	.864	7x7	90	40.8	0.13	0.06	0.15	0.07
1031	.032	.813	1031SN	.037	.940	7x7	120	54.4	0.16	0.07	0.22	0.10
1032	.032	.813	1032SN	.037	.940	7x19	100	45.4	0.16	0.07	0.22	0.10
1036	.036	.914	1036SN	.046	1.17	7x7	160	72.6	0.23	0.10	0.26	0.12
1037	.036	.914	1037SN	.046	1.17	7x19	150	68.0	0.23	0.10	0.26	0.12
1048	.048	1.19	1048SN	.063	1.59	7x7	270	122.5	0.42	0.19	0.49	0.22
1050	.048	1.19	1050SN	.063	1.59	7x19	270	122.5	0.55	0.25	0.65	0.29
1064	.063	1.59	1064SN	.094	2.38	7x7	450	204.1	0.75	0.34	0.93	0.42
1065	.063	1.59	1065SN	.094	2.38	7x19	450	204.1	0.75	0.34	0.93	0.42

### LOW-STRETCH vs STANDARD MINIATURE STEEL CABLE



Test data were obtained by cycling both standard and low-stretch cables under tension loads to 2,000,000 cycles while continuously monitoring the stretch.

#### TYPICAL APPLICATIONS INCLUDE

Computer Printers • Plotters • Typewriters • Instrumentation • Robotics • Other Precision Drive Mechanisms

## FEP COATED STAINLESS STEEL CABLE

PART NO.	UNCOATED NOMINAL DIAMETER		OUTSIDE DIAMETER OF COATING		CONSTRUCTION	MINIMUM BREAKING STRENGTH		APPROXIMATE WEIGHT PER 100 FEET	
	in.	mm	in.	mm		lbs.	kg	lbs.	kg
2014ST	.014	.356	.021	.53	7x7	26	12	0.04	0.02
2018ST	.018	.457	.026	.66	7x7	40	18	0.06	0.03
2023ST	.024	.610	.032	.813	7x7	70	32	0.14	0.06
2024ST	.024	.610	.032	.813	7x19	70	32	0.14	0.06
2027ST	.027	.686	.036	.914	7x7	90	41	0.15	0.07
2031ST	.032	.813	.040	1.02	7x7	120	54	0.22	0.10
2032ST	.032	.813	.040	1.02	7x19	120	54	0.22	0.10
2036ST	.036	.914	.049	1.24	7x7	160	73	0.26	0.12
2037ST	.038	.914	.049	1.24	7x19	160	73	0.26	0.12
2048ST2	3/64	1.19	.062	1.59	7x7	270	122	0.49	0.22
2050ST2	3/64	1.19	.062	1.59	7x19	270	122	0.49	0.22
2054ST2	.054	1.37	.062	1.59	7x49	250	113	0.65	0.29
2064ST3	1/16	1.59	.084	2.13	7x7	480	218	0.85	0.39
2065ST3	1/16	1.59	.084	2.13	7x19	480	218	0.85	0.39
2095ST4	3/32	2.38	1/8	3.18	7x19	920	417	2.25	1.02
2126ST6	1/8	3.18	3/16	4.76	7x19	1760	798	4.35	1.98
2188ST8	3/16	4.76	1/4	6.35	7x19	3700	1678	9.60	4.36

**NOTE:** All coatings are extruded with natural FEP. Many are available in black, blue or other colors. Check with factory.

### FEP OFFERS THE FOLLOWING EXCELLENT COMBINATION OF PROPERTIES

- Nonaging characteristics
- Low coefficient of friction
- Chemical inertness
- Exceptional dielectric properties
- Toughness and flexibility
- Continuous service temperature +400°F
- Heat resistance
- Nonstick characteristics
- Negligible moisture absorption (less than .01%)
- Weather resistance
- Nonflammable

## DACRON CORD AND ASSEMBLIES\*

Natural (white) in color.  
For additional colors in black, olive drab, etc. contact factory.

Dacron is a low stretch fiber with excellent abrasion and ultraviolet resistance, highly recommended for outdoor use.

- Braided
- Low stretch fiber
- All weather
- Inexpensive
- Great flexibility
- Nonconductive



PART NO.	NOMINAL DIAMETER (REF.)	TEST OF CORD	SAVA FITTINGS WHICH CAN BE APPLIED TO FORM ASSEMBLY	MINIMUM STRENGTH OF ASSEMBLY
DC033	.033	50 lb.	#305 EYE, #307 EYE, #7030 LOOP	25 lb.
DC042	.042	90 lb.	#305 EYE, #307 EYE, #7047 LOOP	40 lb.
DC060	.060	180 lb.	#310 EYE, #315 EYE, #318 EYE, #7062 LOOP	90 lb.

\*Hand tools are not available to crimp eyelets. It is recommended you have SAVA assemble eyelets for you to obtain proper breaking strength.



## GALVANIZED STEEL CABLE, NYLON, AND VINYL COATED

UNCOATED				WITH NYLON COATING (See Notes 1 & 3 on pg. 5)				WITH VINYL COATING (See Notes 2 & 3 on pg. 5)				APPROXIMATE WEIGHT PER 100 FEET			
PART NO.	NOMINAL DIAMETER		CONSTRUCTION	MINIMUM BREAKING STRENGTH		PART NO.	OUTSIDE DIAMETER OF COATING		PART NO.	OUTSIDE DIAMETER OF COATING		UNCOATED		COATED	
	in.	mm		lbs.	kg		in.	mm		in.	mm	lbs.	kg	lbs.	kg
3030*	1/32	.813	3x7	110	50	3030GN 3030GN1	.037 3/64	.940 1.19	3030GV 3030GV1	.037 3/64	.940 1.19	0.16 0.16	0.07 0.07	0.22 0.31	0.10 0.14
3048	3/64	1.19	7x7	270	122	3048GN2	1/16	1.59	3048GV2	1/16	1.59	0.42	0.19	0.49	0.22
3049	3/64	1.19	1x19	375	170	3049GN2	1/16	1.59	3049GV2	1/16	1.59	0.55	0.25	0.65	0.29
3063	1/16	1.59	1x19	500	227	3063GN3	3/32	2.38	3063GV3	3/32	2.38	0.85	0.39	1.10	0.50
3064	1/16	1.59	7x7	480	218	3064GN3 3064GN4	3/32 1/8	2.38 3.18	3064GV3 3064GV4	3/32 1/8	2.38 3.18	0.75 0.75	0.34 0.34	0.93 1.50	0.42 0.68
3065	1/16	1.59	7x19	480	218	3065GN3	3/32	2.38	3065GV3	3/32	2.38	0.75	0.34	0.93	0.42
3093	3/32	2.38	1x19	1200	544	3093GN4	1/8	3.18	3093GV4	1/8	3.18	2.00	0.91	2.20	1.00
3094	3/32	2.38	7x7	920	417	3094GN4 3094GN5 3094GN6	1/8 5/32 3/16	3.18 3.97 4.76	3094GV4 3094GV5 3094GV6	1/8 5/32 3/16	3.18 3.97 4.76	1.60 1.60 1.60	0.73 0.73 0.73	1.85 2.18 2.67	0.84 0.99 1.21
3095	3/32	2.38	7x19	1000	454	3095GN4	1/8	3.18	3095GV4	1/8	3.18	1.74	0.79	1.99	0.90
3124	1/8	3.18	1x19	2100	953	3124GN6	3/16	4.76	3124GV6	3/16	4.76	3.50	1.59	4.40	2.00
3125	1/8	3.18	7x7	1700	771	3125GN6	3/16	4.76	3125GV6	3/16	4.76	2.80	1.27	3.60	1.63
3126	1/8	3.18	7x19	2000	907	3126GN6	3/16	4.76	3126GV6	3/16	4.76	2.90	1.32	3.62	1.64
3157	5/32	3.97	7x7	2600	1179	3157GN7	7/32	5.56	3157GV7	7/32	5.56	4.30	1.95	5.20	2.35
3158	5/32	3.97	7x19	2800	1270	3158GN7	7/32	5.56	3158GV7	7/32	5.56	4.50	2.04	5.40	2.45
3187	3/16	4.76	7x7	3700	1678	3187GN8	1/4	6.35	3187GV8	1/4	6.35	6.50	2.95	8.60	3.90
3188	3/16	4.76	7x19	4200	1905	3188GN8	1/4	6.35	3188GV8	1/4	6.35	6.50	2.95	8.60	3.90
3219	7/32	5.56	7x19	5600	2540	3219GN9	9/32	7.14	3219GV9	9/32	7.14	8.60	3.90	9.76	4.43
3252	1/4	6.35	7x19	7000	3175	3252GN10	5/16	7.94	3252GV10	5/16	7.94	11.00	4.99	13.50	6.12
3315	5/16	7.94	7x19	9800	4445	3315GN13	13/32	10.32	3315GV13	13/32	10.32	17.30	7.85	20.4	9.25
3375	3/8	9.53	7x19	14400	6531	3375GN15	15/32	11.91	3375GV15	15/32	11.91	24.30	11.02	28.0	12.7

**NOTES:** All coatings are extruded with natural plastic. Many are available in black and other colors for a nominal cost.  
 3030 cable was previously 3032, 3030GN1 and GV1 cables were 3030GN2 and GV2, 3158 cable was 3168.  
 \*3030 is being replaced with 2030 stainless steel, 1/32, 3x7 cable when current stock is depleted. See page 8, consult factory.

## GALVANIZED STEEL CABLE, SAFETY ORANGE VINYL COATED

PART NO.	UNCOATED NOMINAL DIAMETER		OUTSIDE DIAMETER OF COATING		CONSTRUCTION	MINIMUM BREAKING STRENGTH		APPROXIMATE WEIGHT PER 100 FEET	
	in.	mm	in.	mm		lbs.	kg	lbs.	kg
3030GSV2*	1/32	.813	1/16	1.59	3x7	110	50	0.46	0.21
3048GSV3	3/64	1.19	3/32	2.38	7x7	270	122	0.68	0.31
3064GSV4	1/16	1.59	1/8	3.18	7x7	480	218	1.50	0.68
3094GSV6	3/32	2.38	3/16	4.76	7x7	920	417	2.67	1.21
3094GSV8	3/32	2.38	1/4	6.35	7x7	920	417	3.00	1.36
3126GSV6	1/8	3.18	3/16	4.76	7x19	2000	907	3.62	1.64
3188GSV8	3/16	4.76	1/4	6.35	7x19	4200	1905	8.60	3.90
3252GSV10	1/4	6.35	5/16	7.94	7x19	7000	3175	13.50	6.12

**NOTES:** \*3030 is being replaced with 2030 stainless steel, 1/32, 3x7 cable when current stock is depleted. See page 8, consult factory.

Nylon coating is available on request. Other diameters and constructions are also available on request. These cables are coated with a highly visible bright orange vinyl coating and used as safety cables, lanyards, and on assemblies.

Orange vinyl-coated cables are frequently used as pull cords for operating safety switches to stop machines in an emergency.