



Stranded Wire Cut Sheet

Since 1984, National Strand has delivered best-in-class American-made and owned stranded wire with Unquestionable Trust, Unwavering Commitment, & Superior Service throughout the world, serving an array of infrastructure markets.

This cut sheet contains comparison information for our many types of stranded products and specifications based on multiple diameters, WPS, grade, and class.

National Strand Products...Quality, Service & Options

All Strand products are expertly produced to ASTM A475, A363, A855, A925, A111, A586, CSA & even custom specifications as required for your quality critical application.



Galvanized and Galfan Coated Guy & Static Strand

GALVANIZED STEEL STRAND				MINIMUM BREAKING STRENGTH IN POUNDS					MINIMUM WEIGHT OF COATING OZ./SQ. FT.		
Strand Diameter Inches	Coated Diameter Inches	Wires Per Strand	Strand Weight/1000 FT	Utilities Grade	Common Grade	Siemens-Martin Grade	High Strength Grade	Extra High Strength Grade	Class A	Class B	Class C
1/4	.120	3	117	3150	1860	3040	4730	6740	.85	1.70	2.55
1/4	.120	3	117	4500					.85	1.70	2.55
5/16	.145	3	171	6500	2490	4090	6350	9100	.90	1.80	2.70
3/8	.165	3	220	8500	3330	5560	8360	11800	.90	1.80	2.70
3/16	.062	7	73		1150	1900	2850	3990	.5	1.0	1.5
3/16	.065	7	80	2400					.5	1.0	1.5
7/32	.072	7	98		1540	2560	3850	5400	.5	1.0	1.5
1/4	.080	7	121		1900	3150	4750	6650	.6	1.2	1.8
9/32	.093	7	164	4600	2570	4250	6400	8950	.7	1.4	2.1
5/16	.104	7	205		3200	5350	8000	11200	.8	1.6	2.4
5/16	.109	7	225	6000					.8	1.6	2.4
3/8	.120	7	273	11500	4250	6950	10800	15400	.85	1.7	2.55
7/16	.145	7	399	18000	5700	9350	14500	20800	.9	1.8	2.7
1/2	.165	7	517	25000	7400	12100	18800	26900	.9	1.8	2.7
9/16	.188	7	671		9600	15700	24500	35000	1.0	2.0	3.0
5/8	.207	7	813		11600	19100	29600	42400	1.0	2.0	3.0
1/2	.100	19	504		7620	12700	19100	26700	.7	1.4	2.1
9/16	.113	19	637		9640	16100	24100	33700	.8	1.6	2.4
5/8	.125	19	796		11000	18100	28100	40200	.85	1.7	2.55
3/4	.150	19	1155		16000	26200	40800	58300	.9	1.8	2.7
7/8	.177	19	1581		21900	35900	55800	79700	.9	1.8	2.7
1	.200	19	2073		28700	47000	73200	104500	1.0	2.0	3.0

Other Strand Materials

STAINLESS STEEL STRAND		
1 x 7 TYPE 302		
Diameter (Inches)	Breaking Strength (Pounds)	Weight / 1000 FT (Pounds)
1/4	8500	135
9/32	10700	170
5/16	13200	212
3/8	18000	282
7/16	26000	416
1/2	33700	535
1 x 7 TYPE 316		
Diameter (Inches)	Breaking Strength (Pounds)	Weight / 1000 FT (Pounds)
1/4	7650	135
9/32	9650	170
5/16	11900	212
3/8	16200	282
7/16	23400	416
1/2	30200	535

STRUCTURAL BRIDGE STRAND				
Standard Diameter (Inches)	Coated Diameter Inches	Wires Per Strand	Strand Weight / 1000 FT Pounds	Class A Breaking Strength
11/16	.137	19	999	58000
3/4	.150	19	1155	68000
7/8	.177	19	1581	92000
1	.200	19	2073	122000

Part of The Heico Companies Family

National Strand is a part of The Heico Companies, a privately held, family-owned, American holding company that grants us access to the vast network of resources shared by many other giants in the industry. Utilizing a buy and hold strategy for its operating companies, The Heico Companies fosters long-term growth while our independence is maintained and protected. With the backing of our parent company, we have access to its investments in advanced technology and leading-edge drawing benches.

As part of The Heico Companies family, we share a global network of resources with our sister companies — other industry-defining steel manufacturers who support local and global economic growth and infrastructure stability.

Color Coded End Cap Chart

National Strand was the first in the industry to devise color coded end caps for EASY grade identification.

UTILITIES	EXTRA HIGH STRENGTH
COMMON	BRIDGE STRAND
SIEMENS-MARTIN	GALFAN
HIGH STRENGTH	

Why Choose Us?

Today, National Strand continues to be the US-owned and operated pioneer in superior stranded wire products for numerous applications and industries, including electric utility, telecom/CATV, tower, traffic signals, metal building, DOT/safety, arbor/trellis, security, military, and custom applications. Whether our strand is used to support a skyscraping cell phone tower, reinforce our power or telecom grid, or keep cars, trucks, and property safe, only the best quality strand deserves your trust and that is what we deliver.

Our strand is proudly manufactured as USA-Made & Melt steel strand, and our static, messenger, and guy wire meet the guidelines set forth by the Build America, Buy America initiative as established by the National Telecommunications and Information Administration (NTIA). All our strand products are expertly produced to ASTM A475, A363, A855, A925, A111, A586, CSA, and custom specifications as required for quality-critical applications.

National Strand has recently opened its new 55-acre facility in Baytown, TX, representing a significant investment in infrastructure and technology. The new plant is equipped with modern machinery and advanced production capabilities as it aims to enhance efficiency and elevate product quality. With this recent expansion, National Strand has also added single- and multi-strand Aluminum Conductor Steel Reinforced (ACSR) to our portfolio of products, a crucial steel strand that maintains and expands the power transmission and electrical utility backbone of America.

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