



Strand as Messenger . . .

When strand is used as a messenger cable to support communication cables and electrical conductors, it must have a high elastic limit, excellent tensile strength, durable resistance to corrosion and good fatigue properties.

Strand as Overhead Ground . . .

Galvanized strand that is use as an overhead ground wire or static wire on transmission towers act as a shield to prevent lightening strokes from reaching the conductors. The static wires must be large enough in diameter so that the lightening cannot burn through. In most cases, the static wire should be at least 3/8" in diameter.



Strand as Guy Wire . . .

When galvanized steel wire strand is use for guying high-performance communication towers and other support structures, strength is critical. Our strand size is from 3/16 to 1" in either extra high strength grade (ASTM A475) or structural (bridge) grade (ASTM A586), giving the customer the option to choose for situations that require maximum strength

Quality . . .

At Thai Wire, quality is more than just a goal or a program. It is inherent in every step of our process, from the time we answer to your first inquiry until you receive the product at your door. Quality is built into every strand with a rigorous monitoring, inspection and testing program. It's behind our promise that every inch will meet or exceed your specification. And in the end, it's the way we measure our success.



Galvanized Steel Strand				Minimum Breaking Strength (in pounds)					Min Wt of Coating oz/sq. ft.		
Strand Diameter Inches	Coated Diameter Inches	Wires Per Strand	Strand Weight Per 1000 Ft. Pounds	Utilities / Grade	Common Grade	Siemens-Martin Grade	High Strength Grade	Extra High Strength Grade	Class A	Class B	Class C
1/4	0.120	3	117	3150	1860	3040	4730	6740	0.85	1.70	2.55
1/4	0.120	3	117	4500					0.85	1.70	2.55
5/16	0.140	3	171	6500	2490	4090	6350	9100	0.90	1.80	2.70
3/8	0.165	3	220	8500	3330	5560	8360	11800	0.90	1.80	2.70
3/16	0.062	7	73		1150	1900	2850	3990	0.50	1.00	1.50
3/16	0.065	7	80	2400					0.50	1.00	1.50
7/32	0.072	7	98		1540	2560	3850	5400	0.50	1.00	1.50
1/4	0.080	7	121		1900	3150	4750	6650	0.60	1.20	1.80
9/32	0.093	7	164	4600	2570	4250	6400	8950	0.70	1.40	2.10
5/16	0.104	7	205		3200	5350	8000	11200	0.70	1.60	2.40
5/16	0.109	7	225	6000					0.80	1.60	2.40
3/8	0.120	7	273	11500	4250	6950	10800	15400	0.85	1.70	2.55
7/16	0.145	7	399	18000	5700	9350	14500	20800	0.90	1.80	2.70
1/2	0.165	7	517	25000	7400	12100	18800	26900	0.90	1.80	2.70
9/16	0.188	7	671		9600	15700	24500	35000	1.00	2.00	3.00
5/8	0.207	7	813		11600	19100	29600	42400	1.00	2.00	3.00
1/2	0.100	19	504		7620	12700	19100	26700	0.70	1.40	2.10
9/16	0.113	19	637		9640	16100	24100	33700	0.80	1.60	2.40
5/8	0.125	19	796		11000	18100	28100	40200	0.85	1.70	2.55
3/4	0.150	19	1155		16000	26200	40800	58300	0.90	1.80	2.70
7/8	0.177	19	1581		21900	35900	55800	79700	0.90	1.80	2.70
1	0.200	19	2073		28700	47000	73200	104500	1.00	2.00	3.00