

Excerpt from:
FEDERAL SPECIFICATION
WIRE ROPE AND STRAND

INCH-POUND

 RR-W-410E
 7 February 2002
 SUPERSEDING
 RR-W-410D
 25 April 1984

TABLE XLVI. Type VI, small cords, class 1, class 2, and class 3, high quality carbon steel, drawn galvanized and corrosion-resistant steel, wire strand core (class 2 and 3 only)¹.

Rope Diameter		Class	Construction	Approximate circumference (inches)	Allowable increase at cut end (inch)	Strand pitch		Approx. weight (lb./100 ft.)	Nominal and acceptance breaking strength	
Nominal (ordered) (minimum) (inch)	Maximum (inch)					Min. (inches)	Max. (inches)		Drawn galvanized high carbon steel (lb.)	Corrosion resistant steel (lb.)
1/32	0.037	1	3 by 7	3/32	0.006	5/32	7/32	0.16	110	110
3/64	0.055	1	3 by 7	9/64	0.008	15/64	21/64	0.33	230	230
3/64	0.055	2	7 by 7	9/64	0.008	9/32	3/8	0.42	270	270
1/16	0.073	2	7 by 7	13/64	0.009	3/8	1/2	0.75	480	480
3/32	0.106	2	7 by 7	19/64	0.010	9/16	3/4	1.60	920	920
1/16	0.073	3	7 by 19	13/64	0.009	3/8	1/2	0.75	480	480
3/32	0.106	3	7 by 19	19/64	0.010	9/16	3/4	1.74	1,000	920
1/8	0.139	3	7 by 19	25/64	0.011	3/4	1	2.90	2,000	1,760
5/32	0.172	3	7 by 19	1/2	0.017	15/16	1 1/4	4.50	2,800	2,400
3/16	0.206	3	7 by 19	9/16	0.019	1 1/8	1 1/2	6.50	4,200	3,700
7/32	0.237	3	7 by 19	11/16	0.020	1 5/16	1 3/4	8.60	5,600	5,000
1/4	0.268	3	7 by 19	3/4	0.021	1 1/2	2	11.00	7,000	6,400
9/32	0.301	3	7 by 19	7/8	0.023	1 11/16	2 1/4	13.90	8,000	7,800
5/16	0.335	3	7 by 19	1	0.024	1 7/8	2 1/2	17.30	9,800	9,000
3/8	0.401	3	7 by 19	1 1/8	0.027	2 1/4	3	24.30	14,400	12,000

RR-W-410E

¹ This type not intended for use in aircraft control system. For such wire rope, see MIL-DTL-83420.