

**Minimum Tensile
Strength Requirements**

Wire Size (AWG)	Per MIL-T-7928 (LBS.)	Per UL 486 (LBS)
26	7	
24	10	
22	15	8
20	19	13
18	38	20
16	50	30
14	70	50
12	110	70
10	150	80
8	225	90
6	300	100
4	400	140
2	550	180
1	650	200
0	700	250
00	750	300
000	825	350
0000	875	450

**TABLE 12-1
CRIMP TENSILE STRENGTH 1/**

Wire Barrel Size	Copper Conductor Size, AWG 2/	Tensile Strength Newtons (Pounds) Minimum
22M & 24	28	22 (5)
	26	36 (8)
	24	36 (8)
22D & 22	28	22 (5)
	26	36 (8)
	24	36 (8)
	22	57 (13)
20	24	36 (8)
	22	57 (13)
	20	92 (21)
16	20	92 (21)
	18	142 (32)
	16	183 (41)
12	14	290 (65)
	12	459 (103)
10	10	707 (159)
	8	1281 (288)

**NASA-STD-8739-4
CRIMP STRENGTH TABLE**

**MIL-DTL-22520G
TABLE II. Tensile Strength for Type 1 Tools**

Minimum tensile strength (pounds)

Wire size Range	Silver- or tin-plated copper wire		Nickel-plated copper wire	
	Initial	After low temp. crimp	Initial	After low temp. crimp
0000	875.0	787.5	785.0	706.5
00	750.0	675.0	675.0	607.5
0	700.0	630.0	630.0	567.0
1	650.0	585.0	585.0	526.5
2	550.0	495.0	495.0	445.5
4	400.0	360.0	360.0	324.0
6	300.0	270.0	270.0	243.0
8	220.0	198.0	200.0	180.0
10	150.0	135.0	135.0	121.5
12	110.0	93.0	100.0	85.0
14	70.0	61.0	60.0	53.0
16	50.0	45.0	37.0	33.0
20	20.0	14.0	19.0	13.0
22	12.0	7.0	8.0	5.0
24	8.0	5.0	6.0	4.0
26	5.0	4.0	3.0	2.5
28	3.0	1.5	2.0	1.0
30	1.5	0.8	1.5	0.8
32	1.0	0.5	1.0	0.5



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