

ALLOYS



PHOSPHOR BRONZE

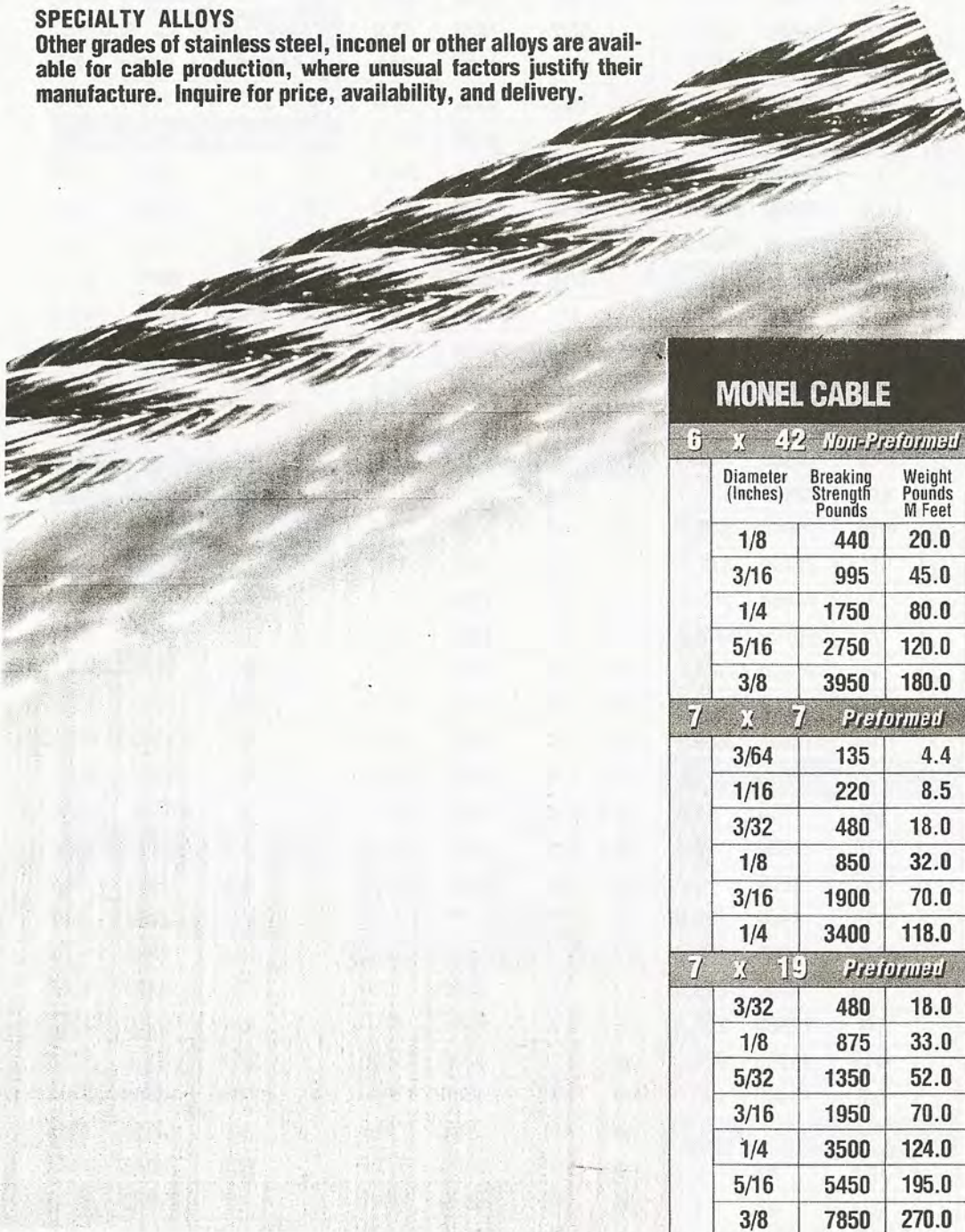
Phosphor bronze has less strength than stainless steel, and is often used in marine applications. It will tarnish, but has good corrosion resistance to saltwater. Bronze cable is also used for antenna applications. Its nonsparking property is advantageous in hazardous locations. *Grade E is the standard material for phosphor bronze cables. When Federal Specification RRW410 is called for, Grade A Bronze material is required.*

MONEL

Monel has a slightly higher strength than phosphor bronze and has very good corrosion resistance to many chemicals that attack stainless steels. Monel is used in hydrofluoric acid, caustic solutions and high velocity seawater applications.

SPECIALTY ALLOYS

Other grades of stainless steel, inconel or other alloys are available for cable production, where unusual factors justify their manufacture. Inquire for price, availability, and delivery.



Grade E PHOSPHOR BRONZE

6 x 7 Non-Preformed

Diameter (Inches)	Breaking Strength Pounds	Weight Pounds M Feet
1/32	40	1.8
3/64	85	4.1
1/16	150	7.0
3/32	340	16.0
1/8	600	28.0
5/32	910	44.0
3/16	1320	63.0
1/4	2280	106.0
5/16	3520	170.0

6 x 19 Non-Preformed

Diameter (Inches)	Breaking Strength Pounds	Weight Pounds M Feet
1/8	615	29.0
3/16	1370	66.0
1/4	2380	112.0
5/16	3670	175.0
3/8	5240	252.0
7/16	7080	343.0
1/2	9210	450.0
9/16	11500	570.0

6 x 42 Non-Preformed

1/8	335	20.0
3/16	760	45.0
1/4	1350	80.0
5/16	2070	120.0
3/8	2960	180.0
7/16	4020	240.0
1/2	5190	305.0

7 x 7 Preformed

1/32	43	2.0
3/64	90	4.4
1/16	170	8.5
3/32	375	18.0
1/8	660	32.0
5/32	1000	48.0
3/16	1450	70.0

7 x 19 Preformed

1/8	660	35.0
3/16	1470	70.0
1/4	2560	124.0

MONEL CABLE

6 x 42 Non-Preformed

Diameter (Inches)	Breaking Strength Pounds	Weight Pounds M Feet
1/8	440	20.0
3/16	995	45.0
1/4	1750	80.0
5/16	2750	120.0
3/8	3950	180.0

7 x 7 Preformed

3/64	135	4.4
1/16	220	8.5
3/32	480	18.0
1/8	850	32.0
3/16	1900	70.0
1/4	3400	118.0

7 x 19 Preformed

3/32	480	18.0
1/8	875	33.0
5/32	1350	52.0
3/16	1950	70.0
1/4	3500	124.0
5/16	5450	195.0
3/8	7850	270.0