CHOOSE **7 x 7 OR 7 x 19 UTILITY** OR **AIRCRAFT CABLE** FOR SMALLER SIZES.

These ropes are standard for TUF-GRIP assemblies for smaller sizes such as control cable applications. Choose from two materials: stainless steel or galvanized carbon steel wire rope.

Standard utility cable and fittings are suitable for most applications. WRCA is certified to manufacture wire rope to MIL-DTL-83420.

And, we offer standard end fittings to let you use aircraft cable as small as 1/16 inch in diameter. If you need one even smaller than that, please call us.

Dimensions, minimum breaking forces and weights for **Galvanized & Stainless 7x7 Aircraft & Utility Cable**

Rope Dia. (in)	Approx. Wt/100 ft (lb)	Minimum Breaking Force (lb)	
		Galvanized	Stainless
1/16	0.75	480	480
3/32	1.7	1,000	920
1/8	2.9	2,000	1,760
5/32	4.5	2,800	2,400
3/16	6.5	4,200	3,700
7/32	8.6	5,600	5,000
1/4	11.0	7,000	6,400
9/32	13.9	8,000	7,800
5/16	17.3	9,800	9,000
3/8	24.3	14,400	12,000

*1/32 is made in 3x7 construction

Dimensions, minimum breaking forces and weights for **Galvanized & Stainless 7x19 Aircraft & Utility Cable**

Rope Dia. (in)	Approx. Wt/100 ft (lb)	Minimum Breaking Force (lb)	
		Galvanized	Stainless
1/32*	0.16	110	110
3/64	0.42	270	270
1/16	0.75	480	480
5/64	1.1	650	650
3/32	1.6	920	920
1/8	2.8	1,700	1,700
5/32	4.3	2,600	2,400
3/16	6.2	3,700	3,700
1/4	10.6	6,100	6,100
5/16	16.7	9,200	9,000

*1/32 is made in 3x7 construction

CHOOSE YOUR ROPES CAREFULLY.

No single wire rope has it all, so you need to choose your rope like you would any other machine. *Very carefully.*

Decide what is more important to your application – abrasion resistance or fatigue resistance – then choose the appropriate rope.

See charts for minimum breaking force and weight per foot. Notice all ropes have a steel core – the only one recommended for TUF-GRIP assemblies. All TUF-GRIP assemblies use a pre-formed rope construction because of its ability to maintain its integrity when inserted into the fittings before swaging occurs.

PRESTRETCHING MINIMIZES CONSTRUCTIONAL STRETCH.

While every assembly is manufactured to meet the specified length, some swaged assembly applications require that constructional stretch of the rope be reduced. Our in-plant prestretching service is a process that can be used to remove most of the constructional stretch. Be sure to request prestretching of the rope if constructional stretch is a concern.

When required, proof testing of assemblies can be performed. This can either be done to your requirements or to the requirements of standards or specifications. A “Certification of Proof Test” is available on request.