

# Cable

**Sizes offered.** Five sizes of cable are offered for the Ultra-tec® Cable Railing System: 1/8", 3/16", 1/4", 5/16" and 3/8".

**Cable construction.** For most applications, we recommend 1x19 construction, type 316 stainless steel cable. 1x19 construction cable is engineered to hold static loads without stretching, and it is relatively stiff. Other cable constructions can be used, such as 7x7 or 7x19, but they are rarely recommended because of their elevated levels of stretch and lower breaking strengths in comparison to 1x19 construction (see chart below).

## Swaging — attaching fittings to cable.

Our swageless fittings do not require swaging, since the hardware is attached to the cable by hand. Other Ultra-tec® hardware is swaged using hydraulic presses that apply up to 55 tons of pressure to swage the fittings. Ultra-tec® portable swagers are available for purchase or rent, or in many cases the factory can supply cable with fittings attached. It is worth noting that fittings

cannot be successfully swaged onto 1x19 construction cable using hand swagers offered by others. In those instances, less desirable constructions must be used. That is never the case with Ultra-tec® hardware.

**Cable coating.** Cable can be special ordered with a PVC coating in any standard (PMS) color. PVC coated cable is not shown in our Design and Fabrication Guide for Metal Framed Railings, so special caution should be used if you are considering coated cable because hole specifications for frame components can change and, in some cases, special hardware may be required. If you are interested in using coated cable, please contact the factory for any necessary special hardware or design specifications.



**Cable Cleaner**

See page 27

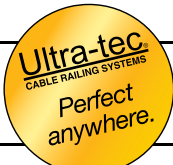
**MINIMUM BREAKING STRENGTHS  
(in Lbs.) FOR TYPE 316 STAINLESS STEEL CABLE**

CABLE DIA.	1x19	7x7	7x19
1/8"	1,780	1,360	1,300
3/16"	4,000	3,300	2,900
1/4"	6,900	5,500	4,900
5/16"	10,600	7,600	7,600
3/8"	14,800	11,700	11,000

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3/1/12

**ISO 9001: 2008 Certified / U.S.A. Manufacturer**

**Ultra-tec®**  
CABLE RAILING SYSTEMS



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