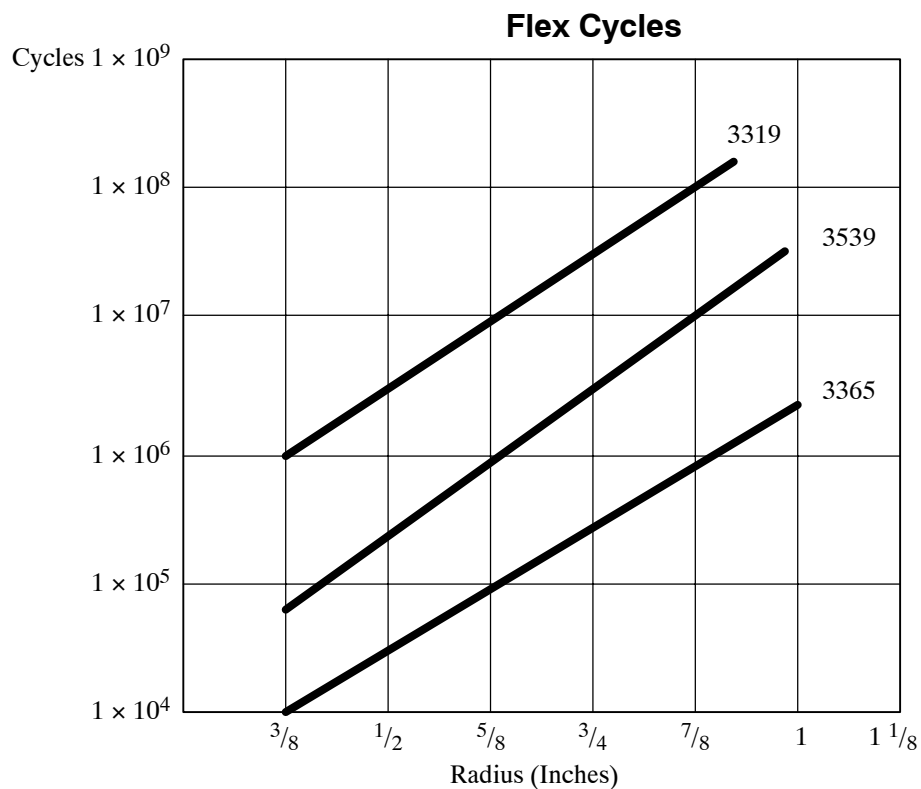


3M™ Flex Cycles



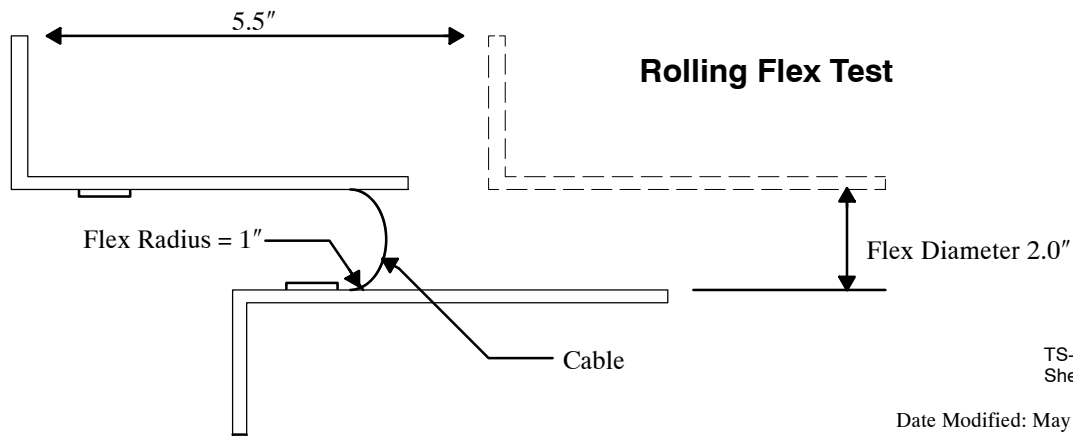
The ability of a cable to withstand repeated flexing without conductor failure is determined by the severity of the flexing (radius of flex) and by the composition and/or constructions of each conductor. The “Flex Cycles” chart presents test data comparing three conductor constructions/compositions at various bend radius. The “Rolling Flex Test” flexed the cable 180° around a radius closely resembling typical usage, as represented in the illustration below.

Each of the three cables represented in this chart consist of 28 AWG stranded conductors on .050” [1.27 mm] wire spacing.

The 3365 cable represents conductors which consist of seven strands, in which each of the strands are 36 AWG tinned soft copper.

The 3539 cable represents conductors which consist of 19 strands, in which each of the strands are 40 AWG tinned soft copper.

The 3319 cable represents conductors which consist of 19 strands, in which each of the strands are 40 AWG silver plated high-strength copper alloy.



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