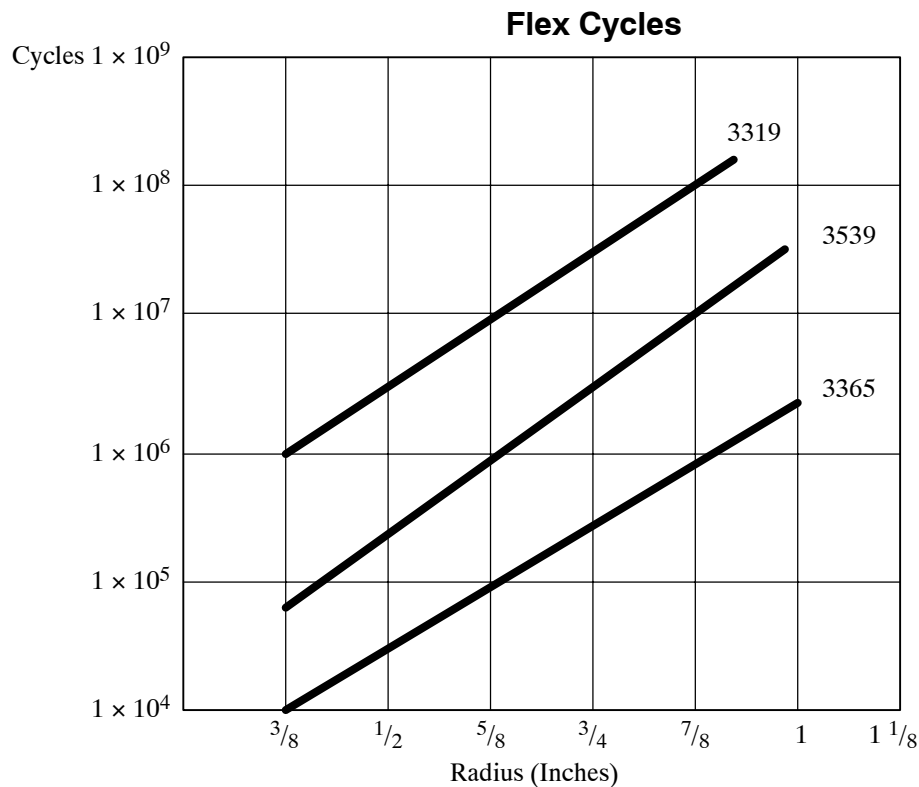


3M™ Flex Cycles



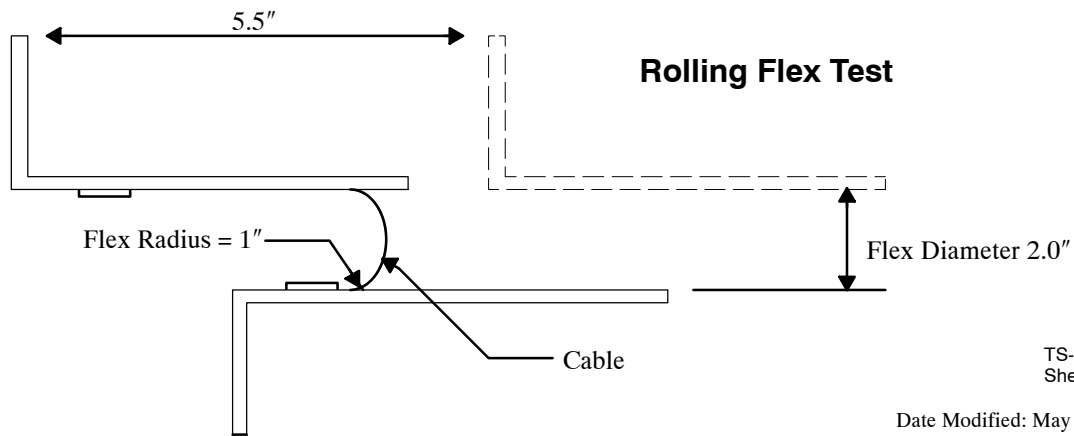
The ability of a cable to withstand repeated flexing without conductor failure is determined by the severity of the flexing (radius of flex) and by the composition and/or constructions of each conductor. The **"Flex Cycles"** chart presents test data comparing three conductor constructions/compositions 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.



TS-0732-05
Sheet 1 of 1

Date Modified: May 30, 2003

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



Electronic and Interconnect Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/eisd

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[3M:](#)

[3539/50](#) [3319/16SF](#) [C3319/14](#) [3319/12](#) [7100162141](#) [7100162346](#) [3539/06-300](#)