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# POWER & COMMUNICATIONS DIVISION

## Revised UL651A Standard Now Available

**UL651A, Standard for Safety for "Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit"**, applies to coilable smooth-wall continuous length HDPE electrical conduit. Originally published in 1981, several revisions have reflected technical improvements in covered products.

In June 2016 an important revision was approved to revise Table 9.3 "Load for crush test". While this table provided values for testing HDPE conduit deflection loads, the values did not reflect the capabilities of today's high-performance HDPE conduit. A team of PPI experts in conduit and HDPE materials proposed a revised Table 9.3 to the UL651 STP (Standards Technical Panel), which was approved in June.

The revised Table 9.3 "Minimum Deflection Load for HDPE Specimens" utilizes a more deliberate methodology to specify minimum conduit deflection loads, which are proportional for all sizes of HDPE conduit from trade sizes 1/2 to 6. Deflection load testing is in accordance with ASTM Test Method D2412.

The revised version of UL651A was announced on June 24, 2016. It is anticipated that this will lead to certification of new HDPE conduit products in the coming months, increasing choices for specifiers and users alike.

Access additional information from PPI and links to UL651A Standard, and all UL Standards, by clicking this link: http://plasticpipe.org/power-comm/pcd-standard-ul651a.html.

*Note: UL no longer updates the "Effective Date" for new and revised requirements within existing standards. Therefore, the latest edition of UL651A still shows as "Fifth Edition - October 26, 2011" even though it contains these new revisions added in June 2016.*



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