

POWER & COMMUNICATIONS DIVISION

Revised UL1990 Standard Now Available

UL1990 Standard for Safety for “Nonmetallic Underground Conduit with Conductors”, applies to factory assembled conductors or cables within coilable, smooth-wall continuous length HDPE electrical conduit (cable-in-conduit). Originally published in 1998, several revisions have reflected technical improvements in covered products.

In January 2017, an important revision was approved to revise Table 13.1 “Load for crush test”. While this table provides values for testing HDPE conduit deflection loads, the previous 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 13.1 to the UL651 STP (Standards Technical Panel).

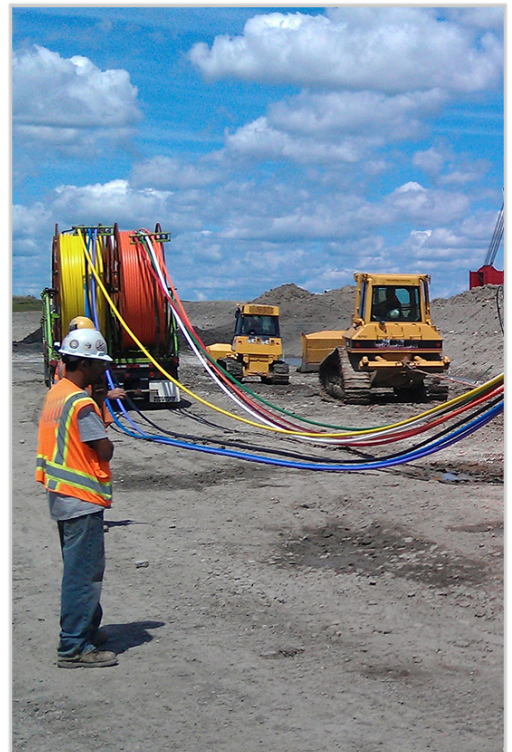
The revised Table 13.1 “Minimum Deflection Load for HDPE Specimens” utilizes a more deliberate methodology to specify minimum conduit deflection loads, which are proportional for all sizes of HDPE conduit from trade sizes 1/2 to 6. Deflection load testing is in accordance with ASTM Test Method D2412.

The revised version of UL1990 was announced on January 20, 2017. It is anticipated that this will lead to certification of new HDPE cable-in-conduit products in the coming months, increasing choices for specifiers and users alike.



Access UL standards directly by clicking this link: www.ul.com.

Note: UL no longer updates the “Effective Date” for new and revised requirements within existing standards. Therefore, the latest edition of UL1990 still shows as “Third Edition – November 22, 2013” even though it contains these new revisions added on January 20, 2017.



© 2017 Plastics Pipe Institute

www.plasticpipe.org/power-comm

Distribution by The Plastics Pipe Institute, Power & Communications Division.