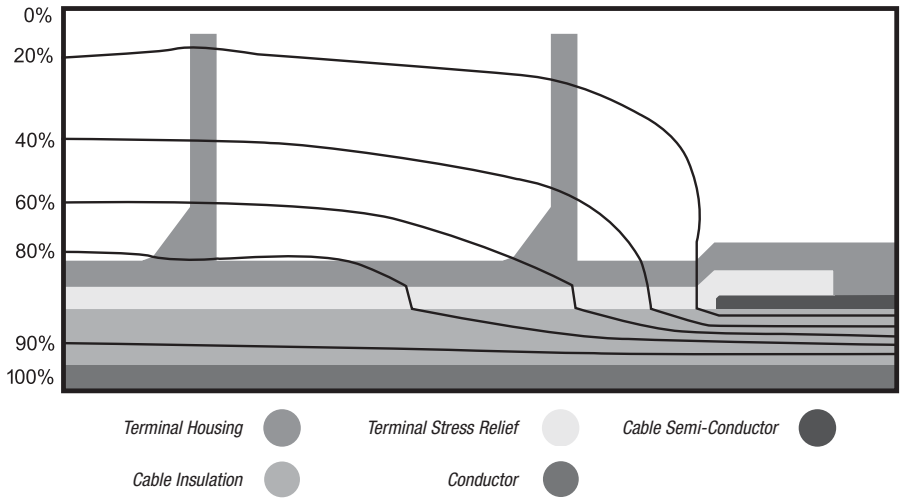
Overview

Stress Relief

The R2T and R2IT terminations provide electric stress control for the cable by means of a flexible tube with a high-permittivity dielectric constant.

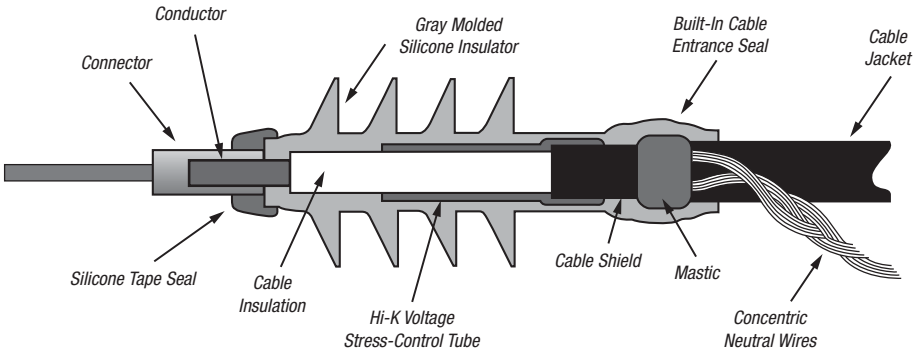
The stress-relief tube is preassembled on the core under the polymer housing. As the core is removed, the stress-relief tube and housing shrink onto the cable at the same time, in exactly the right position. No secondary operations are required during installation. The electrical fields are refracted through the high-dielectric constant tube and housing as shown.

Voltage Stress



Installation

Standard cable preparation techniques are used for all R2T Elastimold® Ranger2® Outdoor Terminations and R2IT Elastimold® Ranger2® Indoor Terminations. The Elastimold® shrink-fit terminations are assembled on a removable core. After the termination is placed onto the prepared cable, the core is removed by pulling on the end. The housing then collapses onto the prepared cable. Memory of the material provides the interface solid dielectric and sealing properties required to meet the electrical ratings and prevent the ingress of moisture.



Certified

Elastimold® Ranger2® Terminations have been designed and tested per applicable portions of ANSI, IEEE, AEIC, ICEA and other industry standards.

IEEE 48

Standard for indoor and outdoor cable terminations.

ANSI C119.4

Standard for cable connectors for aluminum and copper conductors.

AEIC CS8-06 & ANSI/ICEA S-94-649-2004 & S-97-682-2000

Standards for XLP and EPR insulated cables.