

September 15, 2005

Attn: Customers of Raychem Nuclear Cable Accessories

Re: **EDR 5336 Rev. 5 (Issued September 6, 2005)**

As previously announced, Tyco Electronics has completed the testing of the reformulated tubing and molded parts of our Raychem nuclear cable accessories product line that began in 1999. There were two phases of environmental testing that have been referred to as Phase 1 and Phase 2. EDR-5336 is the report which documents the results of accident simulation testing that was performed in 2001 (Phase 1) and EDR-5389 documents the results of accident testing that was performed in 2003 (Phase 2). Both reports are referenced in the Certificates of Conformance.

Due to the Phase 2 test results as reported in EDR-5389, we would like to address two unconfirmed statements in EDR-5336:

1. Page 25 of EDR-5336 Rev. 3 states that the insulation resistance is dominated by the insulation of the wire and not the Raychem splice covering. The insulation resistance is, in fact, predominately affected by the wire insulation. It has been implied that there would be no significant difference in the insulation resistance between an un-spliced conductor and a spliced conductor. Results of additional testing which were reported in EDR-5389 indicate that while the Insulation Resistance values are still very high, they are lower on the spliced conductors.
2. Page 57 of EDR-5336 Rev. 3, we recommended the use of bolt pads for situations where the hardware may have sharp corners/edges and always if the use range is 2.0-2.5x. Due to information reported in EDR-5389, it is now our position that until additional information becomes available through tests or investigation, there is insufficient evidence to support the qualification of In-Line Splice with Bolted Connection configuration within an expansion holdout greater than 2.0x for kits comprised of WCSF-300-28/8-xN or smaller as the splice cover.

As a result of this new information, we revised EDR-5336 to Rev.4 with an issue date of July 22, 2005. The WCSF Installation Instructions and User Guide have also been updated to include the limited use range for In-Line splices using bolted connections for kits comprised of WCSF-300-28/8-xN or smaller as the splice cover.

Additionally, these documents will include the use of WCSF-050-3/1-xN as a splice sealing sleeve with a use range of 0.05 to 0.07 inches with a one-inch (1") seal length. WCSF-200-18/5-xN tubing can also be used with a one-inch (1") seal length based on the qualification results reported in EDR-5336.

However, since the release of Rev. 4, we have allowed WCSF-200-18/5-xN tubing to be used with a one-inch (1") seal length based on the qualification results reported in EDR- 5336. Therefore, we have changed Conclusion 7 of EDR-5336 to include WCSF-200-18/5-xN and issued EDR-5336 Rev. 5 with an issue date of September 6, 2005.

Please begin to include references to **EDR-5336 Rev. 5** on all orders. We understand that it takes a considerable effort in order to make these changes. To minimize the impact to you, we will continue to certify using EDR-5336 Rev. 3 until December 31, 2005. This should provide ample time to review the revised report and implement the changes that are required for ordering.

Beginning January 1, 2006 we will no longer certify to EDR-5336 Rev. 3. EDR-5336 Rev. 5 is available for download on our web site at www.energy.tycoelectronics.com/nuclear. Questions can be emailed to qanuclear@tycoelectronics.com or please contact one of us directly.

We recognize that Tyco is a vital part of your nuclear operations, and we thank you for your business.

Sincerely,



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