



Date: June 12, 2024

Subject: Change to USCAR-12, Rev 6 (Revision Letter #10)

Changes have been made to the Sealing section of the USCAR-12 specification. Comments and questions can be sent to EWCAP@uscar.org.



Situation:

USCAR-12 SE3 listed only a design rule for applied seals that are crimped on. There was no design rule available for seals that were not crimped on.

Resolution:

SE3 is updated as shown to add a back cap for applied (cable) seals that are not crimped on.

CONNECTOR SEALS

#	Requirement	Confirmation Method	X
SE3	<p>Design for cable seal retention so that USCAR-21 criteria will be met. Include design feature for retention (example, mushroom tops).</p> <p>For applied (cable) seals that are crimped on, include a "mushroom cap" feature, which is known to be effective in holding a seal in position.</p>  <p>For applied (cable) seals that are not crimped on, include a back cap in the connector housing design. This feature is known to be effective to keep a seal from backing out on designs without a crimped-on seal.</p> 	<p>Design individual cable seals to have retaining feature to prevent it from moving along the wire and away from the terminal during assembly and handling.</p> <p>Confirm design positions the cable seal and retains it in the correct position.</p>	X