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September 28, 2021

Attn: Purchasing and Quality Departments

Subject: Quality Alert/NOE - Stop Shipment Notification – SAE AS81044, AS22759, AS85485, AS83519/2 and NEMA WC27500 Non-compliance

Dear Value Customer,

TE Connectivity (TE) is notifying you of stop shipment status effective from September 1st, 2021 for all SAE AS81044, AS22759, AS85485, AS83519/2 and NEMA WC27500 products from both the Redwood City, CA and Tijuana, MX plants.

Description of Non-conformity

TE Connectivity did not submit a request for change and gain authorization from NAVAIR (QA) on the location change of its resin compound manufacturing facility from Menlo Park, CA to Redwood City, CA, prior to the move in November 2018 as well as modifications to certain manufacturing process parameters in accordance with the requirements set forth in: AS81044 para. 3.3, 3.3.1, 4.6.1 & 4.6.2.; SAE AS22759 para. 3.2, 3.2.1, 4.3.1, 4.5.1 & 4.5.2.; AS85485 para. 3.2, 4.5.1 & 4.5.2, 4.6.1.; AS35192, Cables manufactured and qualified to NEMA WC27500 para. 3.2, 3.3. which also includes shield terminators qualified to AS83519/2 that use M22759 wire.

The manufacturing location change began in November 2018. In addition to the location change, certain resin compounds underwent process change(s). The process changes include a change in the manufacturing equipment and/or a modification to the compounding process. The manufacturing location change also impacts color concentrates that are used in MIL-SPEC wire products.

The sourcing of raw materials and the resin compound formulation remained unchanged.

The location and manufacturing process change(s) of the resin compound affects the following products manufactured to the various slash sheets of SAE AS81044, AS22759, AS85485 and NEMA WC27500. The specific slash sheets include the following:

SAE Specification Relevant Slash Sheets

AS81044 /5, /6, /7, /8, /9, /10, /11, /12, /13

AS85485 /5, /6, /7, /8, /9, /10, /11, /12

AS22759 /16, /17, /18, /19, /32, /33, /34, /35, /41-43, /44-46, /51, /52, /53, /54

This also impacts AS83519/2 Shield Terminators that use wire lead produced with these resin compounds.

The table below provides first production dates and lot numbers of the resin compounds manufactured in the Redwood City Plant and first Manufacturing / Production dates for wire products from both Redwood City and Tijuana Mexico facilities

Affected SAE Specification and Slash Sheets	Wire Component	First date compound made in Redwood City	Lot # of first Redwood City compound production	First date issued to production order
AS81044/5, /6, /8, /9, /11, /12, /13	Jacket – crosslinked extruded polyvinylidene fluoride (Clear)	9/11/2019	1947596-1	10/1/2019
AS81044/5, /6, /7, /8, /9, /10, /12, /13	Jacket – crosslinked extruded polyvinylidene fluoride (White)	9/27/2019	1946486-1 & -2	11/27/2019
AS81044/8, /9, /10, /11, /12, /13	Primary insulation – crosslinked extruded polyalkene (Core)	6/10/2019	1883693-1	2/14/2020
AS81044/5, /6, /7	Primary insulation – crosslinked extruded polyalkene (Core)	7/1/2019	1883690-1	8/3/2020
AS85485/9, /10, /11, /12	Primary jacket – radiation-crosslinked modified ETFE (white)	7/16/2019	1934948-1 thru -47	7/18/2019
AS85485/5, /6, /7, /8, /9, /10, /11, /12	Primary jacket – radiation-crosslinked modified ETFE (colored)	7/27/2019	1942961-1 thru -11	8/28/2019
AS85485/5, /6, /7, /8, /9, /10, /11, /12	Jacket – crosslinked, extruded, modified ETFE (colored)	4/16/2019	1927686-1	7/10/2019
AS22759/51, /52,	Crosslinked, extruded, modified ETFE (white)	3/30/2019	1927590-1	4/5/2019
AS22759/53, /54	Jacket – crosslinked, extruded, modified ETFE (white)	3/30/2019	1927590-1	4/5/2019
AS22759/51, /52,	Crosslinked, extruded, modified ETFE (colored)	4/16/2019	1927686-1	7/10/2019
AS22759/53, /54	Jacket – crosslinked, extruded, modified ETFE (colored)	4/16/2019	1927686-1	7/10/2019
AS22759/32, /33, /44-46	Crosslinked, extruded, modified ETFE (white)	7/16/2019	1934948-1 thru -47	7/18/2019
AS22759/34, /35, /41-43	Jacket – crosslinked, extruded, modified ETFE (white)	7/16/2019	1934948-1 thru -47	7/18/2019
AS22759/32, /33, /44-46	Crosslinked, extruded, modified ETFE (colored)	7/27/2019	1942961-1 thru -11	8/28/2019
AS22759/34, /35, /41-43	Jacket – crosslinked, extruded, modified ETFE (colored)	7/27/2019	1942961-1 thru -11	8/28/2019



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Identification of Product Impacted

See the attached Part Number lists included.

Containment and Corrective action

TE has notified NAVAIR and implemented the following containment actions as of September 01, 2021:

- Segregated raw material in quarantine area at manufacturing site.
- Segregated finished goods in-stock and work-in-progress at quarantine area.
- Stopped shipments to all Customers

TE is actively working with NAVAIR to complete required actions to requalify product. Additionally, TE is in the process of completing a full root cause analysis and plans to implement corrective actions to help ensure this issue does not occur again.



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Disposition of Nonconformity

TE requests that your company quarantine all identified product and await further instructions from TE on how to disposition the inventory. If your company has sold the impacted product to customers, please forward this NOE to your customers.

Additionally, TE recommends that you conduct a risk assessment to determine what impact, if any, this NOE has on your end-applications. To assist you in completing your risk assessment, TE would like to share with you that all resin compounds manufactured from the Redwood City, CA plant, compound resins were subject to standard QC inspection tests. All migrated compound resins have met characteristic requirements established in TE's internal specification for the resin compound. All resin compounds impacted by the plant location and processing changes have met material requirements and demonstrated manufacturing processability using standard wire and cable manufacturing processing conditions

To demonstrate that the change in manufacturing location and manufacturing process changes of the compound materials did not impact the finished wire in meeting the performance specification requirements of SAE AS81044, AS22759 and AS85485 and corresponding detail specification slash sheets, TE Connectivity has manufactured and tested several lots of wire products (testing was completed during the migration). Testing comprised of QC acceptances tests and specific TE selected Qualification test(s).

If you need any additional information to complete your risk assessment or if you have any additional questions, please contact Helen Smith, hsmith@te.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Helen Smith".

Helen Smith
Snr Manager, Global ISG Quality Leader