

# APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title:

Wires and cables, Low-Frequency, 600V, silver-plated copper extruded crosslinked Fluoropolymer insulation, Based on Type 55/995X

UKSA Date: 02/04/2025 Executive Member:

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Components (including	ng series and families) s	ubmitted for Extension	of Qualification /	Approval:					
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS		BASED ON		TEST VEHICLE / S	COMPONENT SIMILAR		
3901/012	01-80			55/9952		Var. 390101202B, 05B, 07B	Wires		
				55/995X		Var. 390101251B, 62B	Cables		
Component Ma TE Connectivity Aero Marine, trading as Ty		Location of Manufacturing Plant(s) 3 Faraday Road, Dorcan, Swindon, UK			Date of original qualification approval: Date: 01/02/1989  Certificate Ref No. 159				
	5	6				7			
ESCC Specifications Maintenance of quali		Deviations to LVT testing and Detail Specification used:				Qualification Extension Report reference and date:			
Generic: ESCC 3	901 ls. 3	No ⊠ Yes □ (supply details in Box 15)			WQ2356 Issue 8 (501-116273) March 2025				
Detail(s): ESCC 3	901/012 Is. 4	Deviation from current Specifications:							
		No ⊠ Yes	☐ (Supply o	details)					
					1			8	
Summary of procurement or equivalent test representation Project Name Testing Level				ipport of this application  Date code		tion (those to ESCC listed first)  Quantity Delivered			
,									
PID changes since si	tart of qualification	9	Current <b>PID</b> V	erified by:		UKSA		10	
None 🗵			D-fN-	TI E 41/D 0404	Nar	me of Excutive Represe	ntative		
Minor* □ Major* □	*Provide details in box:		Ref No: E	ELE-4KD-0101 9		Date:	19/02/2021		
,			Rev Date: 2	21/01/2021				_	
Current Manufacturin	ng facilities surveyed by:	A.Forsvt	ne, UKSA and F.	Martinez. ESA	. on	25.	/01/2017	11	
	, ,		e of Executive Re				(Date)		
Satisfactory:	Yes ⊠	No 🗆 Exp	blain						
Report Reference:	ESA-TECQES-MI	N-004093							

### APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Component title: Wires and cables, Low-Frequency, 600V, silver-plated copper extruded crosslinked Fluoropolymer insulation, Based on Type 55/995X **Executive Member:** UKSA Date: 02/04/2025 Failure Analysis, DPA, NCCS available: No (Supply data) Yes Ref. No's and purposes: The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; that the appropriate documentation has been evaluated; - that full compliance to all ESCC requirements is evidence (except as stated in box 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of

UKSA as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.

Lacombe

+02'00'

Denis

Lacombe

02/04/2025

Date:

Continuation of Boxes above:

Digitally signed by Denis

Date: 2025.05.09 14:00:26

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(Signature of the Executive Coordinator)

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Date:

#### APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

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extruded crosslinked Fluoropolymer insulation, Based on Type

55/995X

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Executive Member: 02/04/2025 159S 15 Non compliance to ESCC requirements: None No.: Specification Paragraph Non compliance Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of 16 noncompliance: **Executive Manager Disposition** 17 Application Approval: Yes No Action / Remarks: Ali Zadeh Digitally signed by Ali Zadeh Date: 2025.04.29 11:05:35

A.Zadeh: Head of the Avionics and EEE Division



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ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

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Tests vehicle identification/description:

ESCC 3901 generic specification; Chart V (for ESCC/QPL parts); See Tyco Report WQ2356 Issue 8
 Or PID-TFD (for ESCC/QML parts)

Detail Specification reference:



Box 22

Additional Comments.

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# NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

ENTRIES				
Form heading	shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.			
Box 1	shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.			
Box 2; 3 and 4	As per QPL entry; otherwise, an explanation of the changes must be supplied.			
Box 5	Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.			
Box 6	Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.			
Box 7	Must reference the report(s) supplied in support of the application.			
Box 8	Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.			
Box 9	If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.			
Box 10	Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.			
Box 11	This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.			
Box 12	Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.			
Box 13	Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.			
Box 14	To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.			
Box 15	Fill in Table as requested.			
Box 16	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.			
Box 17	All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.			
Box 18	Fill in Table as requested.			
Box 19	Confidential Details of PID changes including those of a confidential nature, shall be provided.			
Box 20	State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.			
Box 21	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.			
LB. 00	ALIES TO			