



UIC552 DERIVATION EN45545-2 COMPLIANCE REPORT

Project Number: -

Superseded Document Number: -

D	Add CSF2544-0091-***** to the list of covered part numbers			13NOV2019	M VIMARD
C	Update the test report of Polyamide FTMP457			07AUG2019	A DONG
B	Add CSF2544-0111-***** to the list of covered part numbers			24JUN2019	M VIMARD
LTR	Revision record			Date	Author
Approved by	SR R&D/Product Dvl Engineer	Engineering manager			
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Notification to	Product Manager	Product Specialist			
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Compliance to Fire Protection on Railway Vehicles European Standard (EN45542-2+A1:2016-05)

Regarding TE Connectivity's activities with respect to the Fire Protection on Railway Vehicles European Standard (EN45542-2+A1:2016-05), please be advised of the following:

The UIC552 junction connector's series as listed below are compliant with the EN45542-2+A1:2016-05 requirements according to the classification R22:HL3 and R23:HL3 criteria.

- CSF2544-0143-00000 - CSF2544-0143-A0003 - CSF2544-0143-A0004
- CSF2544-0143-A0005 - CSF2544-0143-C0001 - CSF2544-0111-*****
- CSF2544-0091-*****

This information is applicable to products manufactured starting the latest revision date of this document.

This certificate does not cover the cable glands on which specific request has to be asked to TE.

The materials concerned by the fire and smoke tests required by the EN45542-2 have been tested in external accredited laboratories which have edited related tests report, as synthetized below:

- Polyamide FTMP446 (lab Crepim):

Test Report	Report date	Tests description	According to	Results	EN45542-2 requirements	
					R22:HL3	R23:HL3
DO-19-0768/A-R1	04-04-2019	Ds max, 25kWm ⁻²	EN ISO5659-2:2012	41	≤ 150	≤ 300
DO-19-0768/A-R1	04-04-2019	LOI %	EN ISO4589-2:2006	85.1	≥ 32	≥ 32
DO-19-0768/A-R1	04-04-2019	CIT _{NLP}	NF X70-100-1:2006 NF X70-100-2:2006	0.46	≤ 0.75	≤ 1.5

- Polyamide FTMP457 (lab Crepim):

Test Report	Report date	Tests description	According to	Results	EN45542-2 requirements	
					R22:HL3	R23:HL3
DO-19-1038/A-R1	12-07-2019	Ds max, 25kWm ⁻²	EN ISO5659-2:2012	99	≤ 150	≤ 300
DO-19-1038/A-R1	12-07-2019	LOI %	EN ISO4589-2:2006	32.6	≥ 32	≥ 32
DO-19-1038/A-R1	12-07-2019	CIT _{NLP}	NF X70-100-1:2006 NF X70-100-2:2006	0.36	≤ 0.75	≤ 1.5