



UIC558 Connectors series EN45545-2 COMPLIANCE REPORT

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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 (EN45545-2+A1:2016-05), please be advised of the following:

The UIC558 connector's series as listed below are compliant with the EN45545-2+A1:2016-05 requirements according to the classification R22:HL2 and R23:HL3 criteria.

- CSF1680*** - CSF1705***

This Certificate does not cover the jumpers on which the cable vendor has to provide the related certificate.

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



The materials concerned by the fire and smoke tests required by the EN45545-2 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	EN45545-2 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 FTMP456 (lab Crepim):

Test Report	Report date	Tests description	According to	Results	EN45545-2 requirements	
					R22:HL2	R23:HL3
DO-19-0767/A-R1	04-04-2019	Ds max, 25kWm ⁻²	EN ISO5659-2:2012	274	≤ 300	≤ 300
DO-19-0767/A-R1	04-04-2019	LOI %	EN ISO4589-2:2006	36.6	≥ 28	≥ 32
DO-19-0767/A-R1	04-04-2019	CIT _{NLP}	NF X70-100-1:2006 NF X70-100-2:2006	0.69	≤ 0.9	≤ 1.5

- Polyamide FTMP457 (lab Crepim):

Test Report	Report date	Tests description	According to	Results	EN45545-2 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