



# CAM1676 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 CAM1676 connector's as listed below are compliant with the EN45545-2+A1:2016-05 requirements according to the specified classification.

- CAM1676-0002-B0009 => R22:HL3 / R23:HL3
- CAM1676-0007-A0006 => R22:HL3 / R23:HL3 for the connector, R15:HL1 / R16:HL3 for the cable
- CAM1676-0008-A0001 => R22:HL3 / R23:HL3
- CAM1676-0008-A0002 => R22:HL3 / R23:HL3
- CAM1676-0024-A0001 => R22:HL3 / R23:HL3

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



The connector's materials concerned by the fire and smoke tests required by the EN45545-2 have been tested in external accredited laboratory which has edited related tests report, as synthesized 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 <sup>-2</sup>	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 <sub>NLP</sub>	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	EN45545-2 requirements	
					R22:HL3	R23:HL3
DO-19-1038/A-R1	12-07-2019	Ds max, 25kWm <sup>-2</sup>	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 <sub>NLP</sub>	NF X70-100-1:2006 NF X70-100-2:2006	0.36	≤ 0.75	≤ 1.5