



valid until: November 13, 2030

Fraunhofer

TESTED[®] DEVICE

U.I. Lapp GmbH
ÖLFLEX CLASSIC FD 810
Report No. LA 2509-1671

Single product
Outgassing Behavior
VOC/SVOC

Qualification Certificate

This is to certify that the product mentioned above, provided by

U.I. Lapp GmbH
Stuttgart, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number LA 2509-1671.

The outgassing behavior of the cable system ÖLFLEX CLASSIC
FD 810 5G1,5 (color: gray) at the stated temperature was
investigated according to ISO 14644-15. Based on the
outgassing rates determined for the specific equipment, the
following material classification was made for the corresponding
Contaminant Category:

Contaminant Category (x)	SER _u 23°C ¹⁾ [g/unit*s]	ISO-ACC _e Class (x)
VOC	7.4×10^{-10}	-9.1
SVOC ²⁾	2.3×10^{-12}	-11.6
Sum of VOC and SVOC	7.5×10^{-10}	--
Refractories ³⁾	2.6×10^{-12}	--
Siloxanes ⁴⁾	2.0×10^{-12}	--

¹⁾ The emission rate is calculated using the detected mass based on the response of the standard, the analyzed unit and the sampling duration

²⁾ SVOC are airborne SVOC

³⁾ Refractories are compounds containing elements other than C, H and O (for example S, P, N, Si, ...).

⁴⁾ Siloxanes and other Si-containing organic substances. Siloxanes also count as refractories

LA 2509-1671
Report No. first document

Stuttgart, November 13, 2025
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

This document only
applies to the named
product in its original state
and is valid for a period of
5 years from the date the
first document was issued.
The document can be
verified under
www.tested-device.com.

Detailed information and
parameters of the test
environment can be found
in the Fraunhofer IPA test
report.



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