



Fraunhofer

TESTED[®] DEVICE

KWANGIL ELECTRIC WIRE Co., Ltd.
KIFLEX RFHV 4Cx20AWG
Report No. KW 1809-1065

Particle Emission

Qualification Certificate

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

KWANGIL ELECTRIC WIRE Co., Ltd.
Goyangsi, Gyeonggi-do, Republic of Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number KW 1809-1065.

The cable system KIFLEX RFHV 4Cx20AWG (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	1
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	1
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	1
Overall result	1

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.

DUPLICATE

KW 1809-1065
Report No. first document

Stuttgart, September 25, 2018
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, Project Manager Fraunhofer IPA