



Fraunhofer

TESTED[®] DEVICE

IL SAN ELECTRIC WIRE CO.,LTD
DI-Flex 101923 cable series
Report No. IL 1806-1051

Particle Emission

Qualification Certificate

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

IL SAN ELECTRIC WIRE CO.,LTD
Geumwang-eup, Eumseong-gun, Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IL 1806-1051.

The DI-Flex 101923 cable series 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
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	2
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	1
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	2
Overall result	2

DUPLICATE

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.

IL 1806-1051 Stuttgart, July 18, 2018
Report No. first document Place, date of first document issued

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Report No. current document Place, current date

on behalf of
Dr.-Ing. Udo Gommel, Project Manager Fraunhofer IPA