





# Fraunhofer TESTED® DEVICE W. L. Gore & Associates Trackless Cable #0845 Report No. GO 1708-940

Statement of Qualification

Particle Emission

# **Statement of Qualification**

#### Customer

W. L. Gore & Associates Nordring 1 91785 Pleinfeld Germany

Test result/Classification

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		

### **Component tested**

Category:	Energy Supply
Subcategory:	Cable Systems
Product name:	GORE Low Charging Trackless Cable #0845 (manufacturing date: 3/22/2018; color: white; serial number: #0845; part number: GKT-FTFH-03-00)

## Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:	ISO 14644-1, -14 The norms stated generally refer to the version valid at the time of the tests.
Test devices:	Optical particle counter: LasAir II 110 and LasAir III 110 with measuring ranges $\geq 0.1 \mu$ m, $\geq 0.2 \mu$ m, $\geq 0.3 \mu$ m, $\geq 0.5 \mu$ m, $\geq 1.0 \mu$ m and $\geq 5.0 \mu$ m
Test environment parameters:	<ul> <li>Cleanroom Air Cleanliness Class (according to ISO 14644-1):</li></ul>
Test procedure parameters:	<ul> <li>Bending radius:</li></ul>

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

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

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

GO 1708-940 Report No. first document

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Report No. current document

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



When operated under the specified test conditions, the GORE Low Charging Trackless Cable #0845 is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO

Stuttgart,	July	23,	2018

Place, date of first document issued

Place, current date

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.