



Fraunhofer

TESTED[®] DEVICE

W. L. Gore & Associates, Inc.
Energy chain and cable systems
Report No. GO 0810-448

DUPLICATE

Qualification Certificate

This is to certify that the product mentioned below, tested on behalf of

W. L. Gore & Associates, Inc.

385 Starr Road
Landenberg, PA 19350
USA

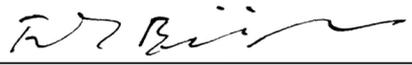
has been awarded a Fraunhofer IPA Qualification Seal bearing the report number GO 0810-448.

The Flat Cable Assembly TK 31540-01 is suitable for use in cleanrooms fulfilling the specifications of Air Cleanliness Class ISO Class 1 at a velocity of 0.5 m/s, 1.0 m/s and 2.0 m/s in accordance with ISO 14644-1.

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

The duration of the validity of this certificate is unlimited. For further information visit our website at www.ipa-qualification.com.

Stuttgart, Germany, November 28th 2008

i. A. 
Signature project manager



Fraunhofer Institut
Produktionstechnik und
Automatisierung