



# Fraunhofer TESTED<sup>®</sup> DEVICE

igus GmbH  
Energy chain / Cable systems  
Report No. IG 0704-400

DUPLIKAT

## IPA Qualification Certificate

This is to certify that the products mentioned below manufactured by the company

### igus GmbH

Spicher Str. 1a  
D-51147 Köln

have been awarded an IPA Qualification Seal bearing the report number IG 0704-400.

The following models of cable systems operated at the velocities listed below are suitable for use in cleanrooms fulfilling the corresponding air cleanliness specifications in accordance with ISO 14644-1.

Model Description	Tested with E6.29.060.150CR Velocity and Air Cleanliness Class	
	v <sub>1</sub> = 0.5 m/s	v <sub>2</sub> = 1.0 m/s
CF27.07.05.02.01.D Tube white	1	– 1


Model Description	Tested with E3.15.040.075.0 Velocity and Air Cleanliness Class	
	v <sub>1</sub> = 0.5 m/s	v <sub>2</sub> = 1.0 m/s
CF34.25.04	1	1
CF9.15.07	1	1
CF5.10.07	2	2

Detailed information and parameters of the test environment can be found in the IPA Test Report compiled by the Fraunhofer Society.

Certified on 12<sup>th</sup> September 2007.

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

Stuttgart, Germany, 12<sup>th</sup> September 2007

  
on behalf of

