



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

DYDEN CORPORATION  
RMDS (Ø 6.8 mm)  
Report No. DY 1405-709

### Qualification Certificate

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

**DYDEN CORPORATION**  
Fukuoka, Japan

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number DY 1405-709.

The cable system RMDS (d = 6.8 mm) is suitable for use in clean-rooms fulfilling the specifications of the following air cleanliness classes:

Parameter	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
<b>Overall result</b>	<b>1</b>

- Energy chain:..... igus E61.29.50.075.0
- Chain bending radius: .....  $r = 150 \text{ mm}$
- Stroke length:.....  $s = 820 \text{ mm}$
- Cable length:.....  $l = 1090 \text{ mm}$

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

Stuttgart, June 18, 2014

i.A.   
Frank Bürger, Project Manager Fraunhofer IPA

DUPLICATE

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information:  
[www.tested-device.com](http://www.tested-device.com)