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Test Intention:		

In test 3089 we want to investigate the lifespan of a CFBUS.045 in a 75mm radius on the short way.

Client:						
Name: Frank Schorn	Team:	chainflex	®	Date:	10.09.2008	
Order-Info:						
Customer/ No.: igus® GmbH, Spicher	Str.1a, 511	147 Köln				
Series / No: CFBUS.045			Installation type: horizor	ntal, short w	<i>r</i> ay	
Customer test: Yes [] No ⊠		Development test:	Yes 🛭 No		
Technical data			Target & Examination			
e-chain [®] type: 255.0	7.075.0		Cable length [m]	: 10,0		
e-chain [®] radius [mm]: 75			Target [strokes]	: Lifespai	n	
Stroke [m]: 1,2			Optical check	: 🛛		
Acceleration a [m/sec ²]: 7,5			Function check	: 🛛		
Velocity v [m/s]: 2,0			Standard measuring	: 🗆		
Ambient temperature [°C]: appro	x. 25°C		AutΩMeS	: 🗆		
Experimental setup (Sketch, Photo)						
Checklist for the experimental preparations						

1. Construction:

The following pictures show the test laboratory and test machine, the "2m Bahr".





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use only

The managing data show the results of the accomplished examinations. With all data it still acts neither around one or more warranties of certain characteristics around one or more warranties regarding the suitability of a product for a certain targeted application, since the examinations on laboratory conditions took place. The warranty of certain characteristics of the products and/or their suitability for a certain application requires writing in the confirmation of order. Finally we recommend user-specific measurements under genuine operating conditions.

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2. Cable and hose packages:

No. 1: 1x CFBUS.045 without cable marking

01027m igus CHAINFLEX CFBUS.045 (4x(2x0,15))C E310776 C**f**Uus AWM Style 21235 AWM I/II A/B 80°C 300V FT1 CE RoHS conform www.igus.de

3. Description of the cable construction:

Standard igus chainflex[®] catalogue cable. Construction details see catalogue 04/2008 page 116 and follow.

4. Remarks:

The CFBUS.045 is readymade with RJ45 connectors; we will check the function regularly with the Fluke DTX-ELT.

The following charts give an overview regarding the test parameters:

Cable no.	Cable type	E-chain radius [mm]	Outer diameter [mm]	Bending factor [xd]	Bending factor catalogue [xd]
1.1	CFBUS.045	75	8,0	9,4	12,5

		Cable type	Counter	reading	Effectively	Cable okay
С	able no.	Cable type	mounting demounting		tested strokes	after strokes
	1.1	CFBUS.045	9.130.134	86.114.356	76.984.222	76.984.222

Test-order was checked by [Rainer Rössel or Martin Göllner and further employee]					
Date:	10.09.2008	Name:		Name:	Frank Schorn

Result

Start report 10.09.2008:

At the 10.09.2008 we started test 3089 at counter reading 9.130.134, we will make a function check regularly.

Interim report from 13.09.2012:

At the 13.09.2012 we demounted the CFBUS.045 after 76.984.222 strokes, to finalize the test

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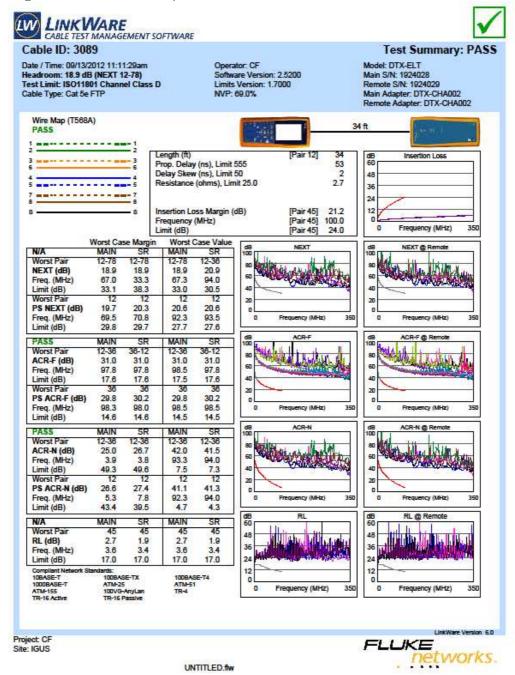
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The following diagram shows the Fluke-protocol of cable no.1.1 CFBUS.045 after 76.984.222 strokes.



		Cable type	Counter reading		Effectively	Cable okay
Cable	e no.	Cable type	mounting	demounting	tested strokes	after strokes
1.	1	CFBUS.045	9.130.134	86.114.356	76.984.222	76.984.222

UNTITLED flw

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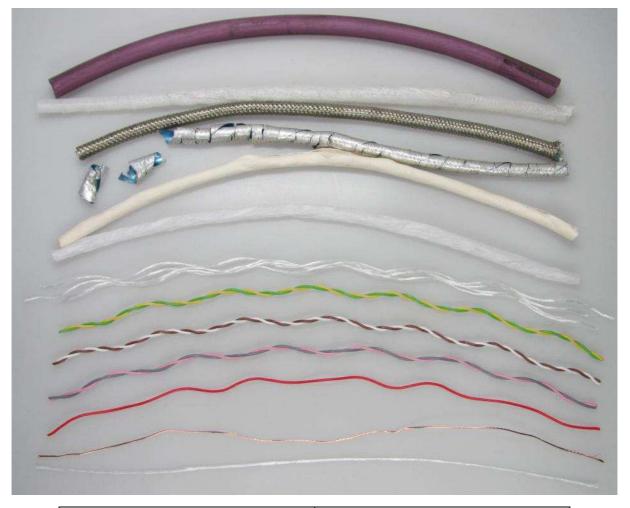
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Evaluation

Dissection report:

The following pictures show the dissected elements of the cables

The condition of the cable no. 1.1 (CFBUS.045) after 76.984.222 strokes



Strokes	76.984.222
Condition outer jacket	Ok
Condition overall shielding	Ok
Condition inner jacket	Ok
Condition core insulation	Ok
Condition conductor	Ok
Condition centre element	Ok

Name: Ch. Mittelstedt Date: 01.10.2012

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