附錄(六)

isodraht

FAT Test Report
EN 10204 3.1

Test Date:	10.08.2018
Report no:	XXXXX-01

Customer:	Siemens Ltd., Taiwan
Manufacturer	Isodraht GmbH
Customer Order no:	
Materials:	HARD-DRAWN STRANDED CONDUCTOR 95mm², Cu-ETP, 19x 2,5 mm
Test specification:	DIN 48201- part 1
Production lot no:	
Delivered Quantity:	

a) Material Composition :

Test result : The material was not checked

b) Surface Check of a Single Wire:

Test result : Surface is free of cracks, flitters, seams and mechanical damages

c) Dimension of Strand and Single Wire:

Test result : All measurements fulfill the requirements of the standard

			specimen / drum number												
Drum no.	.		(selected drum no; according to EN50149 -2013 we recommend to check 5 drumsin FAT)												
Strand	**Min.**	**Max.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
Diameter [mm]	12,35	12,65	12,59												
Single Wire	**Min.**	**Max.**	**18-wire layer**			**12-wire layer**		**core**							
Diameter [mm]	2,47	2,53	2,510												

d) Mechanical Properties of Single Wire:

Test result : All measurements fulfill the requirements of the standard

			specimen / drum number												
Single Wire	**Min.**	**Max.**	**18-wire layer**			**12-wire layer**		**core**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
Breaking load [N]	1878		2056												
Tensile strength Mpa	392		416												

e) Electrical Properties of Single Wire:

Test result : All measurements fulfill the requirements of the standard

Test Result			specimen / drum number												
Single Wire	**Min.**	**Max.**	**18-wire layer**			**12-wire layer**		**core**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
Conductivity [m/Ωxmm²]	56														
Resistance [Ω/km]		3,73	3,600												

f) Direction of Lay and Lay Ratio of the Strand:

Test arrangement :

Test result : No tests carried out

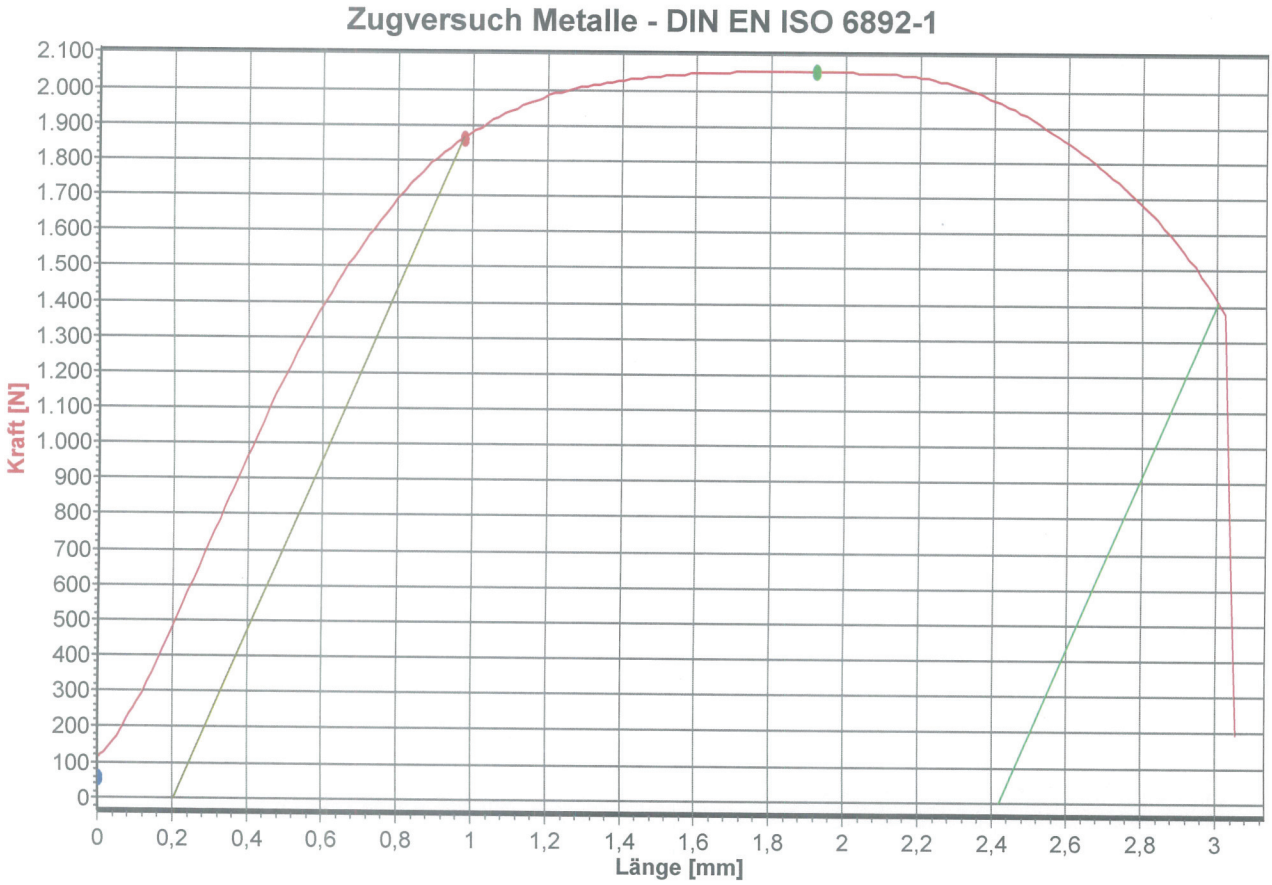
Test Result			
Strand	**Min.**	**Max.**	**Outer layer**
Lay ratio	10	14	
Direction of lay			Right

Remarks: This document is valid without signature.

Present during testing:	Customer:	Manufacturer:
Date and place:	李徐董賴	*Quality Department*
10.08.2018 *Mannheim*		Schaffartzik

Material: CU ETP 95mm² 19x 2,5
Kunde: Siemens Taiwan
Auftragsnummer: 16221-01
Spulennummer: 1

Datum: 10.08.2018
Prüfer: Zutavern



Test results

	Rp 0.2 N/mm²	Rm N/mm²	Fm N	A %
1	376	416	2056.04	2.41

3,600 Ω