

Test Report X-DFC 8 MX with Prysmian FP200 Gold

Summary

The Hilti X-DFC MX double fire clips have been tested in combination with Prysmian FP200 Gold fire resistant cables according to EN 50200 Annex E.

This report confirms, that the Hilti clips are an adequate alternative method to fix the cables in compliance with the cable support requirements of BS 5839-1, BS 5839-8 and BS 5266-1.

The Prysmian FP200 Gold cable fixed with the Hilt X-DFC MX fire clip passed 30 min survival time, 15 min under dry conditions with a shock load applied plus addition 15 min application of water spray. Further details are given in following test report.

Report No.: TN18-01302E

June 28th, 2018

Page 1 of 4

Sample No.: CN18-01456

Contract No.: ISTCW18-00677

Commission Test

Test Report

Consigner	Hilti (Shanghai) Ltd. 1528, Shen Nan Road, Xinzhuang Industry Park, Shanghai, PRC, 201108
Sample Name	Prysmian cables + HILTI Clips
Type and Size	Standard cables + stainless
Sample Received Date	June 12 th , 2018
Test Duration	June 12 th , 2018 –June 28 th , 2018
Test Conclusion	The test item complies with the requirements of EN 50200: 2015 Annex E.

This test report is only valid for the tested sample.

Authorized by
Shanghai Intelligent Service and Technology Co., Ltd.

Genuine statement: Without the written permission of ISTCW, the test report shall be reproduced in full. Its electronic version (such as PDF format or scanned version) is allowed to use, whatever with "only for information". This test report is only valid in paper version with both authorized signature as approved and dedicated inspection stamp of our company.

李骥 Li Ji

Signature/Approver

Testing Engineer: 黄宇 Huang Yu

Standard cables + stainless

1 Sample Description

Manufacturer	Hilti (Shanghai) Ltd. 1528, Shen Nan Road, Xinzhuang Industry Park, Shanghai, PRC, 201108
Type and Size	Standard cables + stainless
Quantity	30m and 30 clips
Marking	/
Color	Clips: white, cable: red
Source	Sent by the consigner
Status	Normal appearance

2 Testing and Verdict Standards

2.1 Testing Standards

Refer to EN 50200:2015 Method of test for resistance to fire of unprotected small cables for use in emergency circuits

2.2 Verdict Standards

The same as testing standard.

3 Other Information

3.1 Sample information

The sample's type and size, and information of manufacture are provided by the consigner.

3.2 Information from the test laboratory

The items tested were carried out at No.458 Haixiang Road, Fengxian, Shanghai, P.R.China.

3.3 Symbol Definition

P=Complying with requirement/Pass, F=Not complying with requirement/Fail, N=Not required.

Standard cables + stainless

4 Fire resistance test

Test method: Refer to EN 50200:2015 Annex E.

Test procedure: The sample was drawn into A bayonet of clips (2 bayonets in total as shown in figure, provided by consigner).

Test parameters:

Flame temperature: 830~870°C

Flame with mechanical shock time: 15min

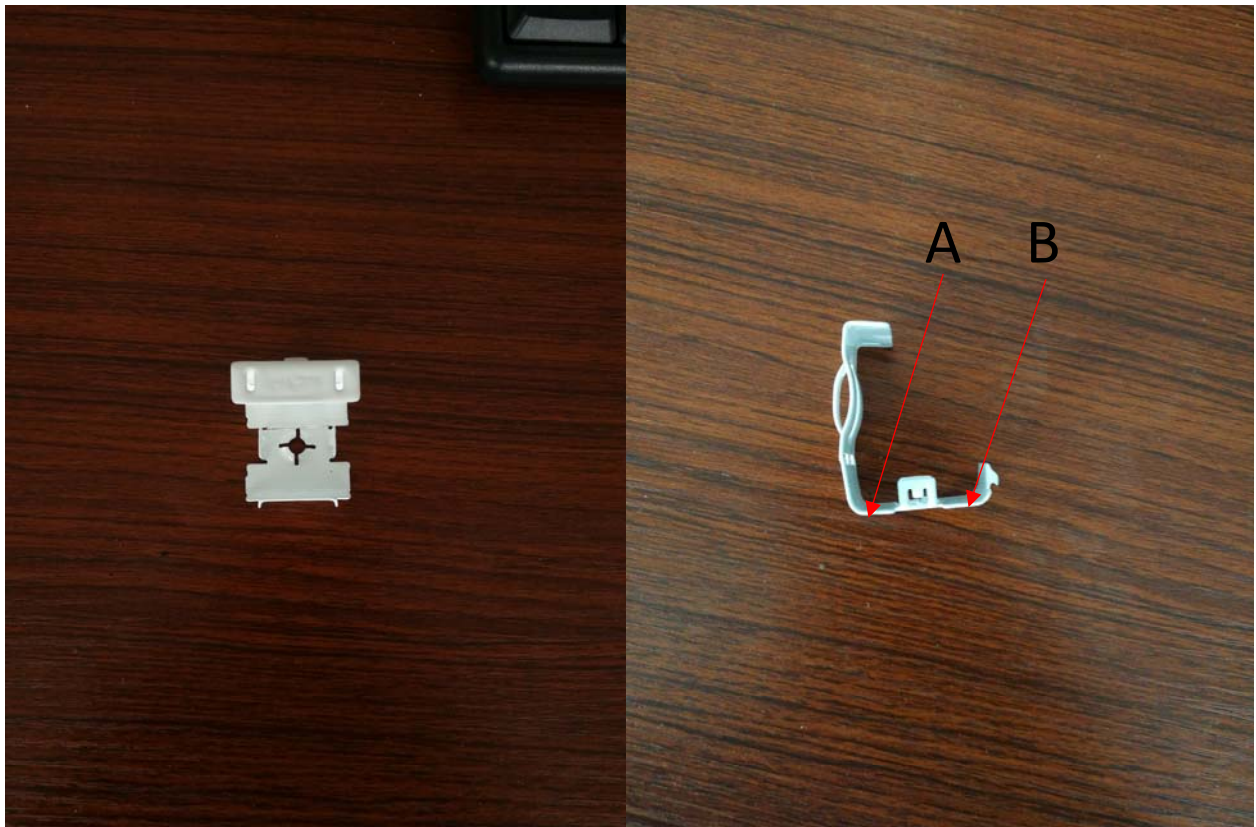
Flame with mechanical shock and water spray time: 15min

Time interval of mechanical shock: 5min

Test voltage 500V

Cable (provided by consigner) marking: PRYSMIAN (B) 2012H LPCB 077f FP200 GOLD LSOH BS 7629-1 BS 6387 CWZ EN 50200 PH30 PH60 BS 8434-1 30min 3×1.5 300/500V

Minimum bend radius of cable 6D
(provided by consigner):



Standard cables + stainless

Test Item	Requirement	Test Result	Verdict
Fire resistance test	None of the 2A fuses ruptures and none of the lamps is extinguished during the period of the test	Pass	P

- The End. -

Report No.: TN18-01305E

June 28th, 2018

Page 1 of 4

Sample No.: CN18-01459

Contract No.: ISTCW18-00677

Commission Test

Test Report

Consigner	Hilti (Shanghai) Ltd. 1528, Shen Nan Road, Xinzhuang Industry Park, Shanghai, PRC, 201108
Sample Name	Prysmian cables + HILTI Clips
Type and Size	Standard cables + stainless
Sample Received Date	June 12 th , 2018
Test Duration	June 12 th , 2018 –June 28 th , 2018
Test Conclusion	The test item complies with the requirements of EN 50200: 2015 Annex E.

This test report is only valid for the tested sample.

Authorized by
Shanghai Intelligent Service and Technology Co., Ltd.

Genuine statement: Without the written permission of ISTCW, the test report shall be reproduced in full. Its electronic version (such as PDF format or scanned version) is allowed to use, whatever with "only for information". This test report is only valid in paper version with both authorized signature as approved and dedicated inspection stamp of our company.

李骥 Li Ji

Signature/Approver

Testing Engineer: 黄宇 Huang Yu

Standard cables + stainless

1 Sample Description

Manufacturer	Hilti (Shanghai) Ltd. 1528, Shen Nan Road, Xinzhuang Industry Park, Shanghai, PRC, 201108
Type and Size	Standard cables + stainless
Quantity	30m and 30 clips
Marking	/
Color	Clips: white, cable: red
Source	Sent by the consigner
Status	Normal appearance

2 Testing and Verdict Standards

2.1 Testing Standards

Refer to EN 50200:2015 Method of test for resistance to fire of unprotected small cables for use in emergency circuits

2.2 Verdict Standards

The same as testing standard.

3 Other Information

3.1 Sample information

The sample's type and size, and information of manufacture are provided by the consigner.

3.2 Information from the test laboratory

The items tested were carried out at No.458 Haixiang Road, Fengxian, Shanghai, P.R.China.

3.3 Symbol Definition

P=Complying with requirement/Pass, F=Not complying with requirement/Fail, N=Not required.

Standard cables + stainless

4 Fire resistance test

Test method: Refer to EN 50200:2015 Annex E.

Test procedure: The sample was drawn into B bayonet of clips (2 bayonets in total as shown in figure, provided by consigner).

Test parameters:

Flame temperature: 830~870℃

Flame with mechanical shock
time: 15min

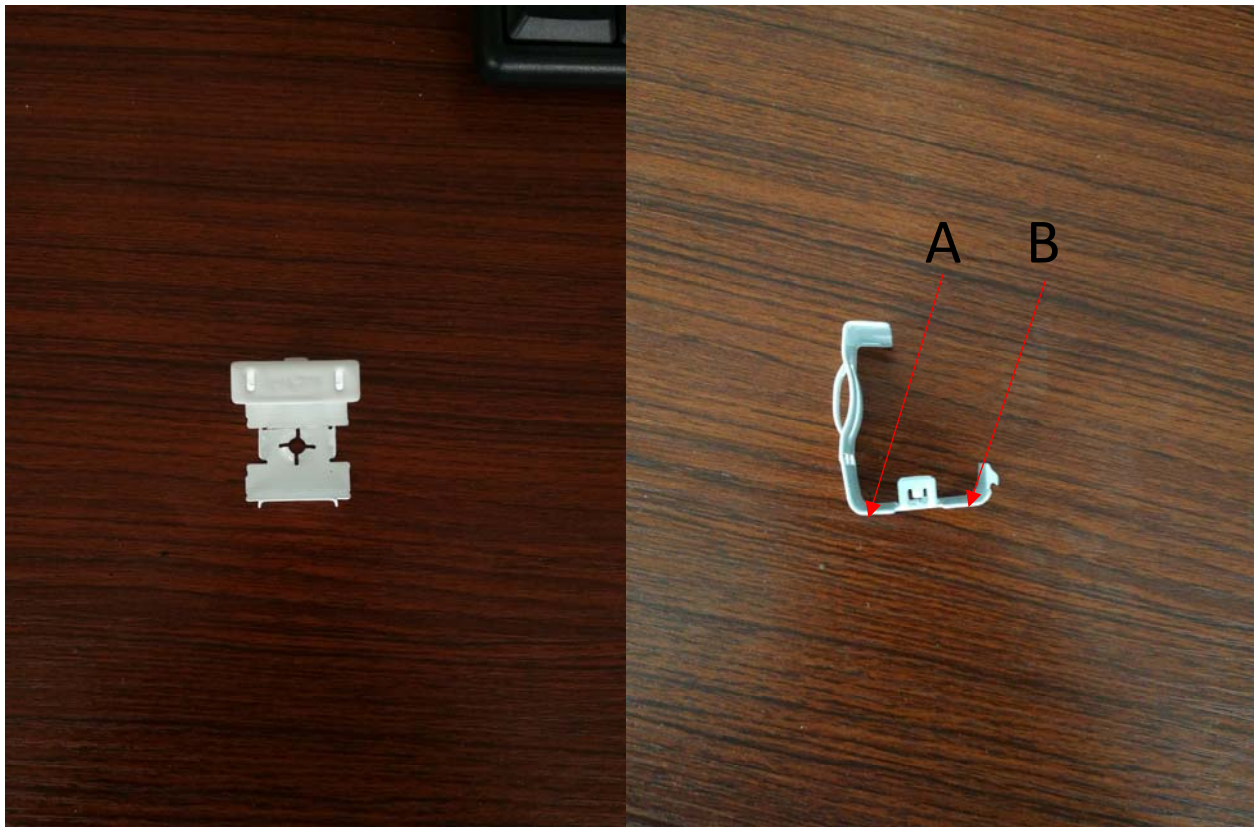
Flame with mechanical shock
and water spray time: 15min

Time interval of mechanical
shock: 5min

Test voltage 500V

Cable (provided by consigner) marking: PRYSMIAN (B) 2012H LPCB 077f FP200 GOLD LSOH BS 7629-1 BS 6387 CWZ EN 50200 PH30 PH60 BS 8434-1 30min 3×1.5 300/500V

Minimum bend radius of cable 6D
(provided by consigner):



Standard cables + stainless

Test Item	Requirement	Test Result	Verdict
Fire resistance test	None of the 2A fuses ruptures and none of the lamps is extinguished during the period of the test	Pass	P

- The End. -