ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
TÜV SÜD

Product Service

CERTIFICATE

No. B 080523 0017 Rev. 00

Holder of Certificate: **Charoong Thai Wire & Cable Public Company Limited**
35/1 Moo 22 Suwinthawong Road Km.63
Bangnumpriew
Chachoengsao 24000
THAILAND

Certification Mark:

Product: **Fire Resistant Cables**
CU/MICA/XLPO(LSHF-XLPE)/LSHF
(FRC-XL 600M : Without Armour)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 7191205261/04-TR

Valid until: 2024-07-02

Date, 2019-07-10 (HIOK PHENG TAN)

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Model(s): FRC-XL 600M : Without Armour

Brand Name: CTW

Parameters:

Voltage	600/1000V
Conductor	Stranded Circular Plain Copper Wires (class 2)
Fire resistant layer	Mica tape
Insulation	XLPO (LSHF-XLPE)
Oversheath	LSHF
Size	2C x 1.5 mm^2 to 4C x 400 mm^2

Test report number(s)	Test Standard(s)
7191205261-EEC19/03-01	BS 6387: 2013 IEC 60332-3-22: 2018 IEC 60332-3-23: 2018 IEC 60332-3-24: 2018 IEC 60332-1 2: 2004/AMD1: 2015 IEC 61034-2: 2005/AMD1: 2013 IEC 60754-1: 2011 IEC 60754-2: 2011
7191205261-EEC19/04	BS 6387: 2013 IEC 60332-1 2: 2004/AMD1: 2015 IEC 60332-3-22: 2018 IEC 60332-3-23: 2018 IEC 60332-3-24: 2018 IEC 60754-1: 2011 IEC 60754-2: 2011 IEC 61034-2: 2005/AMD1: 2013
7191046678-EEC12/16-02	IEC 60502-1: 2004/AMD1: 2009
7191046678-EEC12/17-02	IEC 60502-1: 2004/AMD1: 2009
7191046678-EEC12/18-02	IEC 60502-1: 2004/AMD1: 2009
7191046678-EEC12/19-02	IEC 60502-1: 2004/AMD1: 2009
7191205261-EEC19/03-02	IEC 60502-1: 2004/AMD1: 2009

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CERTIFICATE

No. B 080523 0017 Rev. 00

No. of Core (C)	Size (mm²)
2	1.5
2	2.5
2	4
2	6
2	10
2	16
2	25
2	35
2	50
2	70
2	95
2	120
2	150
2	185
2	240
2	300
2	400

No. of Core (C)	Size (mm²)
3	1.5
3	2.5
3	4
3	6
3	10
3	16
3	25
3	35
3	50
3	70
3	95
3	120
3	150
3	185
3	240
3	300
3	400

No. of Core (C)	Size (mm²)
4	1.5
4	2.5
4	4
4	6
4	10
4	16
4	25
4	35
4	50
4	70
4	95
4	120
4	150
4	185
4	240
4	300
4	400

Initial Certicate Number: B 14 05 80523 002

Tested according to:

BS 6387:2013
IEC 60502-1:2004
IEC 60502-1:2004/AMD1:2009
IEC 60332-1-2:2004
IEC 60332-1-2:2004/AMD1:2015
IEC 60332-3-23:2018
IEC 60332-3-22:2018
IEC 60332-3-24:2018
IEC 60754-1:2011
IEC 60754-2:2011
IEC 61034-2:2005
IEC 61034-2:2005/AMD1:2013

Production Facility(ies): 080523

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