



Product Service

# CERTIFICATE

No. B 080523 0018 Rev. 00

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

**Certification Mark:**



**Product:** Fire Resistant Cables  
 CU/MICA/XLPO(LSHF-XLPE)/LSHF/SWA/LSHF  
 (FRC-XL 600M : With 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.:** 7191205261/02-TR

**Valid until:** 2024-07-02

**Date,** 2019-07-11

( HIOK PHENG TAN )



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**Model(s):** FRC-XL 600M: With Armour

**Brand Name:** CTW

## Parameters:

Voltage	600/1000V
Conductor	Stranded Circular Plain Copper Wires (class 2)
Fire resistance categories	Category F2
Fire resistant layer	Mica tape
Insulation	XLPO (LSHF-XLPE)
Filler	LSHF
Binder	Flame retardant tape
Bedding	Low smoke & Halogen free flame retardant compound (LSHF)
Armour	Galvanized steel wire
Binder tape	Mylar tape
Oversheath	LSHF
Size	2C x 1.5 mm <sup>2</sup> to 4C x 400 mm <sup>2</sup>

Test report number(s)	Test Standard(s)
7191205261-EEC19/01	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-EEC19/02-01	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
7191046678-EEC12/20-02	IEC 60502-1:2004/AMD1:2009
7191046678-EEC12/21-02	IEC 60502-1:2004/AMD1:2009
7191046678-EEC12/22-02	IEC 60502-1:2004/AMD1:2009
7191046678-EEC12/23-02	IEC 60502-1:2004/AMD1:2009
7191205261-EEC19/02-02	IEC 60502-1:2004/AMD1:2009
7191205261-EEC19/02-03	BS 7846:2015

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No. of Core (C)	Size (mm <sup>2</sup> )
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 (mm <sup>2</sup> )
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 (mm <sup>2</sup> )
4	1.5
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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 Certification Number: B 14 05 80523 001

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 61034-2:2005  
 IEC 61034-2:2005/AMD1:2013  
 IEC 60332-3-22:2018  
 IEC 60332-3-23:2018  
 IEC 60332-3-24:2018  
 IEC 60754-1:2011  
 IEC 60754-2:2011  
 BS 7846: 2015

Production Facility(ies):

080523

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