

Crimp specification

Type Document	Crimp Specification	Revised /Edition	j
Date Issued:	2018/05/17	Data Revised:	2022/08/02
Subject: 2000TH-PSN/2000TH-HY2B 2.0mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Description:

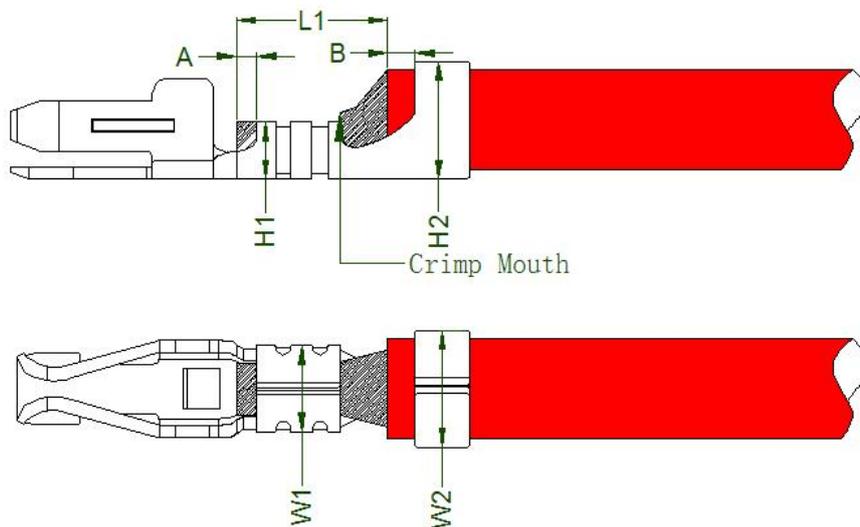
Height and width of conductor crimp core should be set as required.

(conductor crimp height and width of conductor barrel)

According to the external diameter and the type of electric wire, the width of crimped sheath shall be adjusted, wire won't be easily taken off from contact nor too much crimped.

(Crimped width of insulation barrel)

Position Graph:



Note:

1. Conductor crimp width. W1
2. Conductor crimp height. H1
3. Insulator crimp width. W2
4. Insulator crimp height. H2
5. Conductor wire shall be dimension long (mm) out A.
6. Naked part of sheathed wire must be located in the vicinity of center B.
7. The Crimp mouth must be equipped like bell.

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Requirement:

Subject:UL1061 or equivalent type electric wire					
AWG#	Conductor (mm ²)	Insulation Diameter	Insulator skins length (Dim .B) mm	Dim. L1 (mm) out	
#20~#24	0.21mm ² ~0.53mm ²	1.50mm(MAX)	0.30~0.50mm	1.80~2.00mm	
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
#20	1.30±0.05mm	0.95±0.03mm	1.55mm(MAX)	1.60mm~1.70mm	60N(85N) ^{a)}
#22		0.86±0.03mm		1.50mm~1.60mm	50N(75N) ^{a)}
#24		0.73±0.03mm		1.30mm~1.40mm	50N
(FLR) 0.35mm ²		0.86±0.03mm		1.50mm~1.60mm	50N(75N) ^{a)}
LEONI Mocar125°C 0.35mm ²		0.86±0.03mm		1.50~1.60mm	50N(75N) ^{a)}
LEONI Mocar125°C 0.50mm ²		0.95±0.03mm		1.60~1.70mm	60N(85N) ^{a)}

Remarks

Unlike equipment and crimp reel molds skill facility or not shall be difference to result in dissimilar.

Signature: *JACK* ENG
SWB CONNECTOR CO.,LTD.

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Date	REV	DESCRIPTION	MODIFY	APPROVAL
2018/05/17	A	Initial Issued	/	Kim Huang
2018/05/23	B	Added applicable wire	Ding Ling	Kim Huang
2018/11/23	C	Updated crimp type	Ding Ling	Kim Huang
2018/12/29	D	Updated crimp type and standard of pull-out strength	Ding Ling	Kim Huang
2019/01/07	E	Updated crimp type and standard of pull-out strength	Feng Xing	Kim Huang
2019/03/08	F	Added new P/N	Feng Xing	Kim Huang
2019/11/04	G	Updated crimp type and standard of pull-out strength	Feng Xing	Jason Huang
2018/12/10	H	Added information of applicable wires and crimp tools for	Feng Xing	Jason Huang
2020/09/18	I	Added P/N of the Pre -plating terminal	Feng Xing	Jason Huang
2022/08/02	J	Change size B and size L1 standards	Feng Xing	Jason Huang

Crimp specification

Type Document	Crimp Specification	Revised /Edition	A
Date Issued:	2022/04/22	Data Revised:	2022/04/22
Subject: 2000TL 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Description:

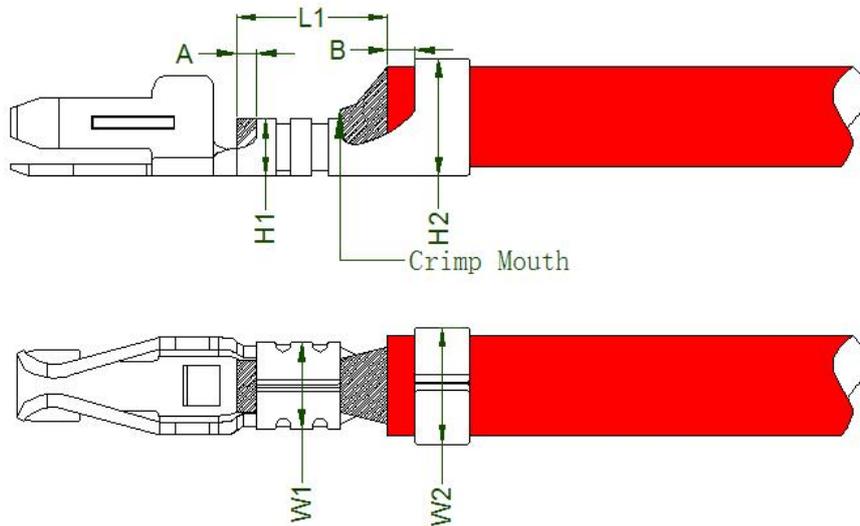
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Type Document	Crimp Specification	Revised /Edition	A
Date Issued:	2022/04/22	Data Revised:	2022/04/22
Subject: 2000TL 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:UL1061orUL1571 equivalent type electric wire					
AWG#	Conductor (mm ²)	Insulation Diameter	Insulator skins length (Dim .B) mm	Dim. L1 (mm) out	
#30~#26	0.051mm ² ~0.128mm ²	0.80mm~1.00mm	0.30~0.50mm	1.80~2.00mm	
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
#30	1.04±0.03mm	0.63±0.03mm	1.40±0.05mm	1.10±0.05mm	0.70kgf
#28		0.66±0.03mm		1.20±0.05mm	0.90kgf
#26		0.68±0.03mm		1.30±0.05mm	1.40kgf

Remarks

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Crimp specification

Type Document	Crimp Specification	Revised /Edition	A2
Date Issued:	2019/08/21	Data Revised:	2022/05/19
Subject: 2000T 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Description:

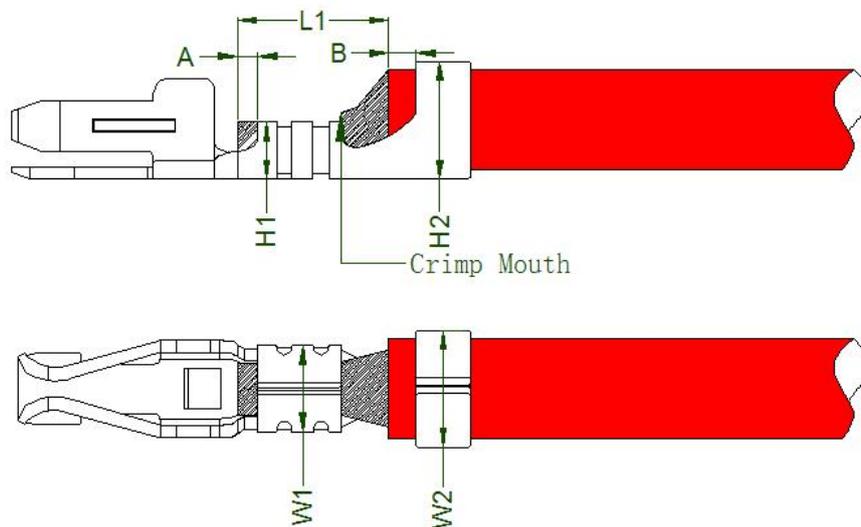
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Type Document	Crimp Specification	Revised /Edition	A2
Date Issued:	2019/08/21	Data Revised:	2022/05/19
Subject: 2000T 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:FLRY-A or equivalent type electric wire					
AWG#	Conductor (mm ²)	Insulation Diameter	Insulator skins length (Dim .B) mm	Dim. L1 (mm) out	
#24~#22	0.22mm ² ~0.35mm ²	1.10mm~1.30mm	0.30~0.50mm	1.80~2.00mm	
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
0.22mm ²	1.30±0.03mm	0.80±0.03mm	1.55±0.05mm	1.45±0.05mm	40N
0.35mm ²		0.88±0.03mm		1.55±0.05mm	50N

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