

# Crimp specification

Type Document	Crimp Specification	Revised /Edition	A3
Date Issued:	2020/12/29	Data Revised:	2023/02/23
Subject:9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

## Description:

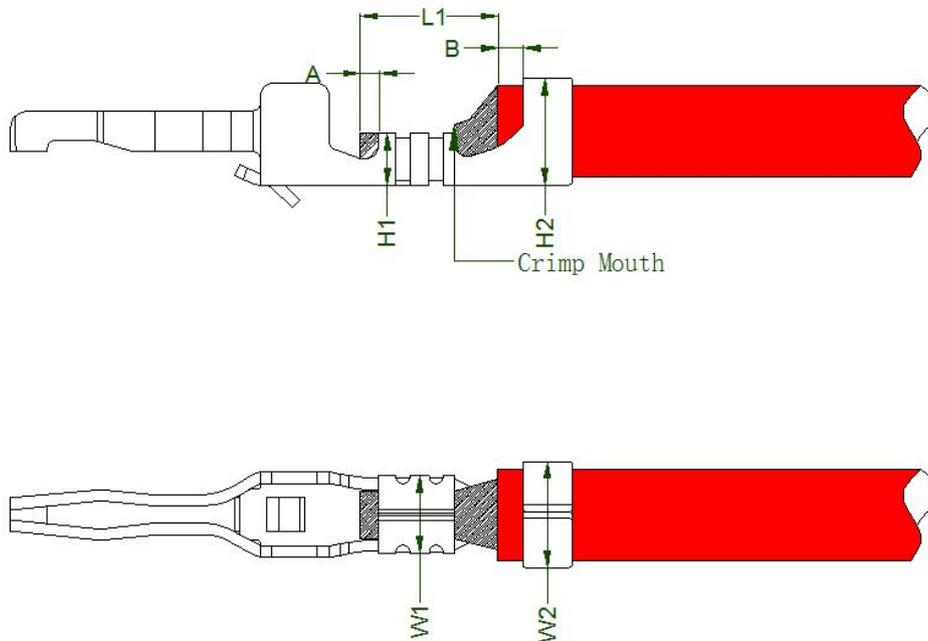
Height and width of conductor crimp core should be set as required.

(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.

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A3
Date Issued:	2020/12/29	Data Revised:	2023/02/23
Subject:9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:FLRY-A or equivalent type electric wire						
AWG#	Conductor (mm <sup>2</sup> )		Insulation Diameter		Insulator skins length (Dim .B) mm	Dim. L1 (mm) out
#24	0.22mm <sup>2</sup>		1.10mm		0.30~0.50mm	1.90~2.10mm
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength	
	Width (W1)	Height(H1)	Width (W2)	Height(H2)		
0.22mm <sup>2</sup>	1.28±0.03mm	0.77±0.03mm	1.50±0.05mm	1.60±0.05mm	30N	

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.

## Crimp specification

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Date Issued:	2020/12/29	Data Revised:	2023/02/23
Subject:9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Date	REV	DESCRIPTION	MODIFY	APPROVAL
2020/12/29	A	Initial Issued	/	Kim Huang
2022/05/19	A1	Modified 0.22 <sup>2</sup> tension standard	FX	Kim Huang
2022/11/25	A2	Modified 0.22 <sup>2</sup> tension standard	FX	Kim Huang
2023/02/23	A3	Modify the H2 crimping height	FX	Kim Huang

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A
Date Issued:	2020/11/02	Data Revised:	2020/11/02
Subject:9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

### Description:

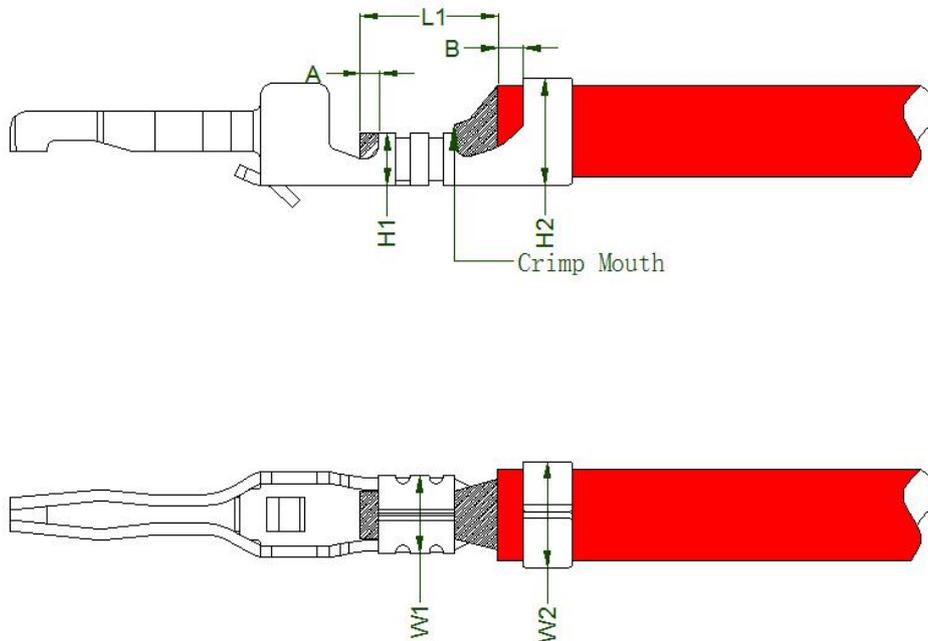
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(conductor crimp height and width of conductor barrel)

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(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.

**Crimp specification**

Type Document	Crimp Specification	Revised /Edition	A
Date Issued:	2020/11/02	Data Revised:	2020/11/02
Subject:9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:UL1061 or equivalent type electric wire					
AWG#	Conductor (mm <sup>2</sup> )		Insulation Diameter	Insulator skins length (Dim .B) mm	Dim. L1 (mm) out
#26~#24	0.128~0.205mm <sup>2</sup>		1.00~1.10mm	0.30~0.50mm	1.90~2.10mm
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
#26	1.30±0.03mm	0.68±0.03mm	1.50±0.05mm	1.50±0.05mm	1.40kgf
#24		0.73±0.03mm		1.60±0.05mm	2.30kgf

Remarks

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Signature:     *JACK*     ENG  
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## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A3
Date Issued:	2021/06/21	Data Revised:	2023/08/25
Subject: 9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

### Description:

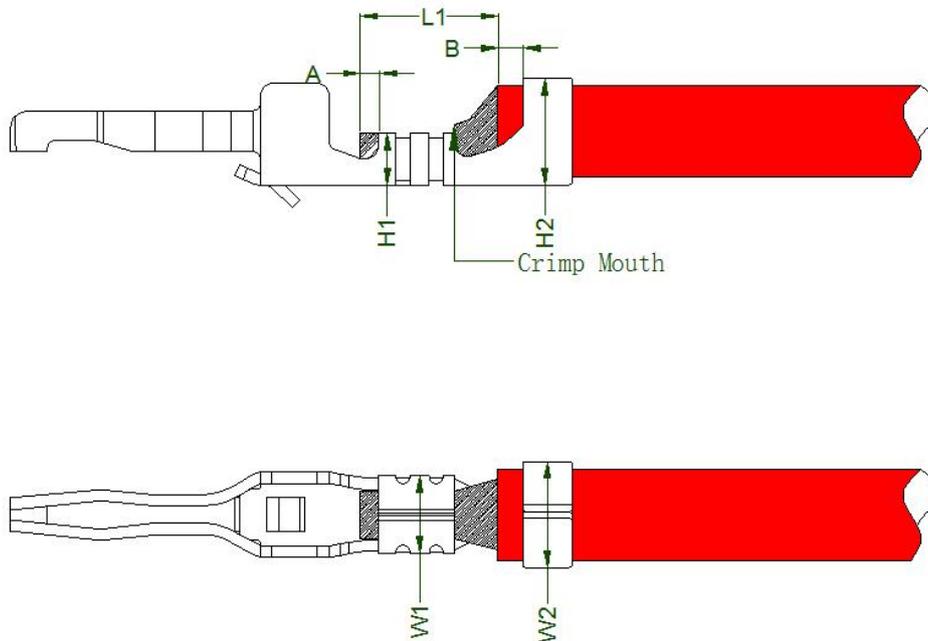
Height and width of conductor crimp core should be set as required.

(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.

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A3
Date Issued:	2021/06/21	Data Revised:	2023/08/25
Subject: 9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:FLRY-A or equivalent type electric wire					
AWG#	Conductor (mm <sup>2</sup> )		Insulation Diameter	Insulator skins length (Dim .B) mm	Dim. L1 (mm) out
24#~22#	0.35mm <sup>2</sup> ~0.22mm <sup>2</sup>		1.1mm~1.3mm	0.3~0.5mm	1.9~2.1mm
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
0.22mm <sup>2</sup>	1.30±0.03mm	0.83±0.03mm	1.55±0.05mm	1.60±0.05mm	30N
0.35mm <sup>2</sup>	1.35±0.03mm	0.85±0.03mm		1.75±0.05mm	50N

Remarks

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## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A3
Date Issued:	2021/06/21	Data Revised:	2023/08/25
Subject: 9020TV 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Date	REV	DESCRIPTION	MODIFY	APPROVAL
2021/06/21	A	Initial Issued	/	Kim Huang
2022/05/19	A1	Modified 0.22 <sup>2</sup> tension standard	FX	Kim Huang
2022/11/25	A2	Modified 0.22 <sup>2</sup> tension standard	FX	Kim Huang
2023/08/25	A3	Modifying H1 dimensions	FX	Kim Huang

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A4
Date Issued:	2021/09/21	Data Revised:	2023/09/19
Subject: 9020TR 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

### Description:

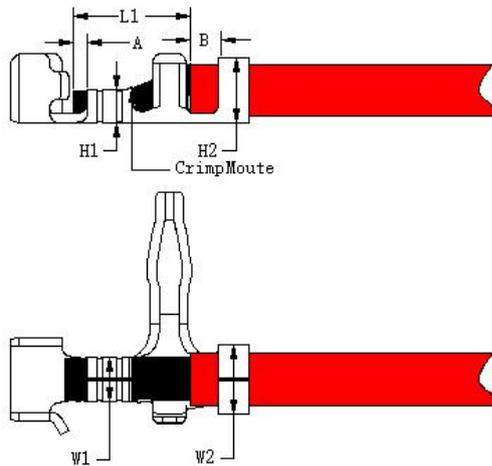
Height and width of conductor crimp core should be set as required.

(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.

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A4
Date Issued:	2022/08/08	Data Revised:	2023/09/19
Subject:9020TR 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

### Description:

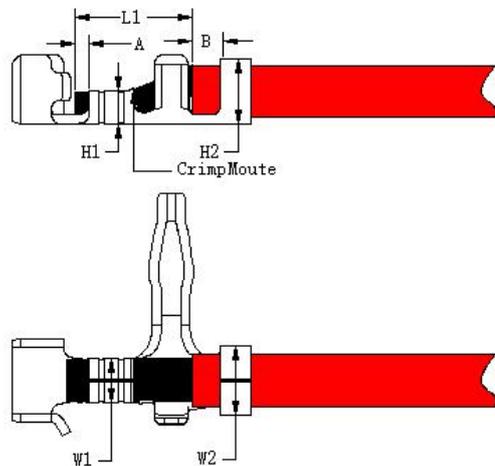
Height and width of conductor crimp core should be set as required.

(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.

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A4
Date Issued:	2022/08/08	Data Revised:	2023/09/19
Subject:9020TR 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:UL1061 or FLRYW -A equivalent type electric wire

AWG#	Conductor (mm <sup>2</sup> )	Insulation Diameter	Insulator skins length (Dim .B) mm	Copper wire leakage size (Dim .A) mm	Dim. L1 (mm) out
#26~#24	0.128mm <sup>2</sup> ~0.22mm <sup>2</sup>	0.90mm~1.00mm	0.20mm~0.60mm	0.20mm~0.50mm	2.40mm~2.90mm
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
#26	1.15±0.03mm	0.73±0.03mm	1.65±0.05mm	1.05±0.05mm	13.7N
0.22mm <sup>2</sup>	1.25±0.03mm	0.74±0.03mm		1.15±0.05mm	30N

## Remarks

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

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# Crimp specification

Type Document	Crimp Specification	Revised /Edition	A4
Date Issued:	2022/08/08	Data Revised:	2023/09/19
Subject:9020TR 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Date	REV	DESCRIPTION	MODIFY	APPROVAL
2022/08/08	A	Initial Issued	/	Kim Huang
2022/09/08	A1	Modification of tension standard	Feng Xing	Kim Huang
2022/11/23	A2	Change the dimensions of W1 and H1	FX	Kim Huang
2022/11/25	A3	Modified 0.22 <sup>2</sup> tension standard	FX	Kim Huang
2023/09/19	A4	Modify B and L1 dimensions and add A control	FX	Jack Zhang

## Crimp specification

Type Document	Crimp Specification	Revised /Edition	A4
Date Issued:	2021/09/21	Data Revised:	2023/09/19
Subject: 9020TR 2.00mm Pitch Terminal crimp specification			Issued By: Engineering Dept.

Requirement:

Subject:FLRY-A or equivalent type electric wire					
AWG#	Conductor (mm <sup>2</sup> )	Insulation Diameter	Insulator skins length (Dim .B) mm	Copper wire leakage size (Dim .A) mm	Dim. L1 (mm) out
#24~#22	0.22mm <sup>2</sup> ~0.35mm <sup>2</sup>	1.10mm~1.30mm	0.20mm~0.60mm	0.20mm~0.50mm	2.40mm~2.90mm
Wire Gauge (AWG#)	Conductor Crimp Area		Insulator Crimp Area		Terminal Tensile Strength
	Width (W1)	Height(H1)	Width (W2)	Height(H2)	
0.22mm <sup>2</sup>	1.35±0.03mm	0.83±0.03mm	1.70±0.05mm	1.30±0.05mm	30N
0.35mm <sup>2</sup>		0.87±0.03mm		1.50±0.05mm	50N

Remarks

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

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**Crimp specification**

<b>Type Document</b>	<b>Crimp Specification</b>	<b>Revised /Edition</b>	<b>A4</b>
<b>Date Issued:</b>	<b>2021/09/21</b>	<b>Data Revised:</b>	<b>2023/09/19</b>
<b>Subject: 9020TR</b> <b>2.00mm Pitch Terminal crimp specification</b>			<b>Issued By:</b> <b>Engineering Dept.</b>

Date	REV	DESCRIPTION	MODIFY	APPROVAL
2021/09/21	A	Initial Issued	/	Kim Huang
2022/05/19	A1	Modification of tension standard	Feng Xing	Kim Huang
2022/11/25	A2	Modified 0.22 <sup>2</sup> tension standard	FX	Kim Huang
2023/07/27	A3	Modifying H1 dimensions	FX	Kim Huang
2023/09/19	A4	Modify B and L1 dimensions and add A control	FX	jack Zhang