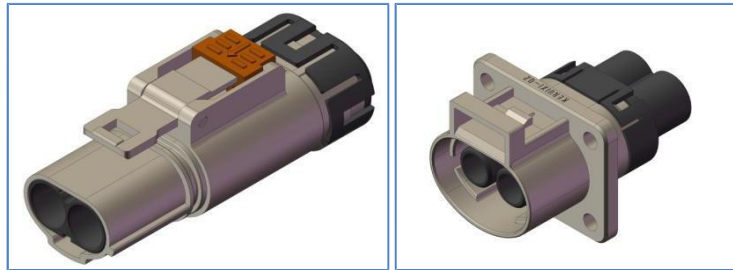


KRX-60 Series 2-pin Connector Operation Instruction



Operation Instruction

1. Assembly specification for 2.5 mm², 4.0 mm², 6.0mm² unshielded wire plug

1.1 Select Wire

Meeting the following Table 1.1

Table 1.1

| Wire Range(mm ²) | Sheath Diameter (mm) | Wire Stripping size (A) |
|------------------------------|----------------------|-------------------------|
| 2.5 | Φ3.3±0.20 | 6.5±0.5 |
| 4.0 | Φ4.1±0.20 | 6.5±0.5 |
| 6.0 | Φ4.8±0.20 | 6.5±0.5 |
| 10.0 | Φ6.25±0.25 | 6.5±0.5 |

1.2 Wire stripping

The wire is stripped according to the dimensions shown in picture 1.1. The stripped size is according to Table 1.1



Picture 1.1

1.3 Terminal crimp

According to the crimp terminal shown in picture 1.2, the tensile strength of the terminal after crimping is not less than that specified in Table1.2.



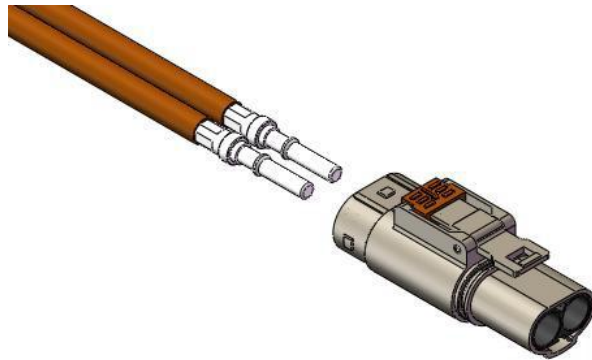
Picture 1.2

Table 1.2

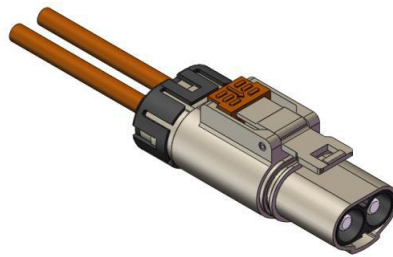
| Wire Range(mm ²) | Tensile strength | Remark |
|------------------------------|------------------|--------|
| 2.5 | 222.5N | / |
| 4.0 | 311.5N | / |
| 6.0 | 356N | / |
| 10.0 | 400.5N | / |

1.4 Connector Assembly

Insert the terminals (2pcs) into the connector and push them into place. As shown Picture 1.3 and picture 1.4



Picture1.3



Picture1.4

1.5 Test

Test connector should meet below requirement

Insulation Resistance: 500M Ω

Withstand Voltage: 3000V DC

Shield layer continuity: the shield and the shell should be electrically conductive

2. Assembly specification for 2.5 mm², 4.0 mm², 6.0mm² shielded wire plug

2.1 Select Wire

Meeting the following Table 2.1

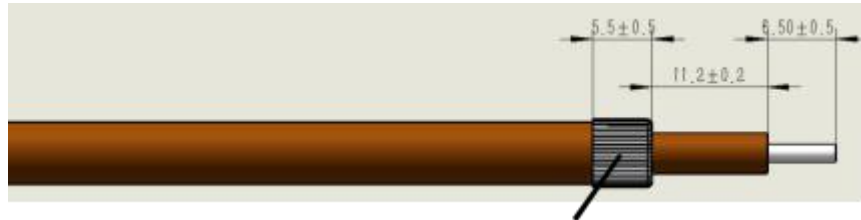
Table2.1

| Wire Range(mm ²) | Sheath Diameter (mm) | Remark |
|------------------------------|----------------------|--------|
| 2.5 | Φ5.2±0.20 | / |
| 4.0 | Φ5.8±0.20 | / |
| 6.0 | Φ6.7±0.30 | / |

Notice: Use of over-specified (outer diameter) wire will result in product assembly failure or poor sealing

2.2 Wire stripping

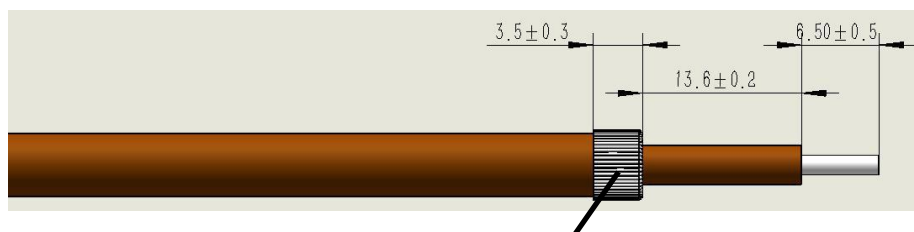
2.5mm² and 4.0mm²Wire according to the size requirements in picture 2.1, strip, cut, and shield the outer layer, and cut off the excess shield.



Shield layer eversion

Picture 2.1 (After shield layer eversion) Wire stripping

60mm²cable According to the size requirements in picture 2.2, strip, cut, and shield the outer layer, and cut off the excess shield.



Shield layer eversion

Picture2.2(After shield layer eversion) Wire stripping

2.3 Install shield ring

Put the shield ring on the cable as shown in Picture 2.3. The shield ring should be put to the end. The shielded wire should not be exposed after putting the shield ring on.



Picture 2.3

2.4 Crimped shield ring

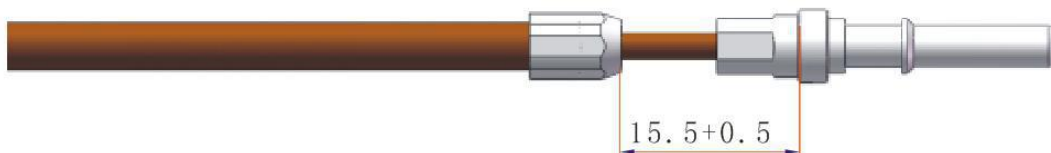
Crimp the shield ring as shown in Picture 2.4. The tensile strength of the shield ring after crimping is not less than 50N, and the crimp size meets the requirements.



Picture 2.4

2.5 Terminal crimp

Crimp the terminal as shown in Picture 2.5. The tensile strength of the terminal after crimping is not less than that specified in Table 2.2, and the dimensions meet the requirements.



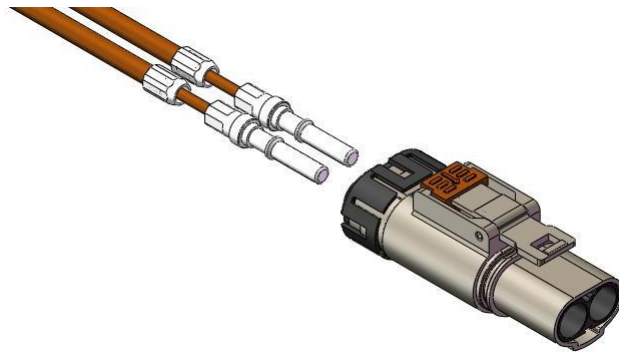
Picture 2.5

Table 2.2

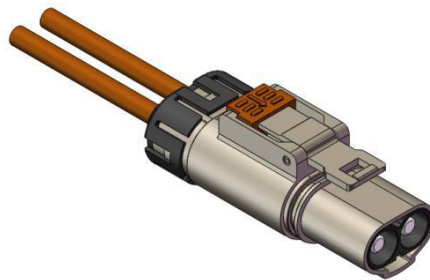
| Wire Range(mm ²) | Tensile strength | Remark |
|------------------------------|------------------|--------|
| 2.5 | 222.5N | / |
| 4.0 | 311.5N | / |
| 6.0 | 356N | / |

2.6 Connector Assembly

Insert the terminals (2pcs) into the connector and push them into place. As shown Picture 2.6 and picture 2.7



Picture 2.6



Picture 2.7

2.7 Test

Test connector should meet below requirement

Insulation Resistance: 500MΩ

Withstand Voltage: 3000V DC

Shield layer continuity: the shield and the shell should be electrically conductive

3. Assembly specification for 10mm² shielded wire plug

3.1 Select Wire

Meeting the following Table 3.1

Table 3.1

| Wire Range(mm ²) | Sheath Diameter (mm) | Remark |
|------------------------------|----------------------|--------|
| 10.0 | 8.6±0.30 | / |

3.2 Wire stripping

According to the size requirements in picture 3.1, strip, cut, and shield the outer layer, and cut off the excess shield.



Picture3.1

3.3 Terminal crimp

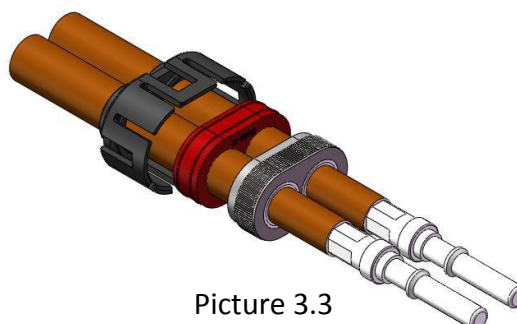
Press the crimp terminal as shown in Picture 3.2, and the tensile strength of the terminal after crimping is not less than 400.5N.



Picture3.2

3.4 Cover the back cover, rubber ring, shielding ring, gasket

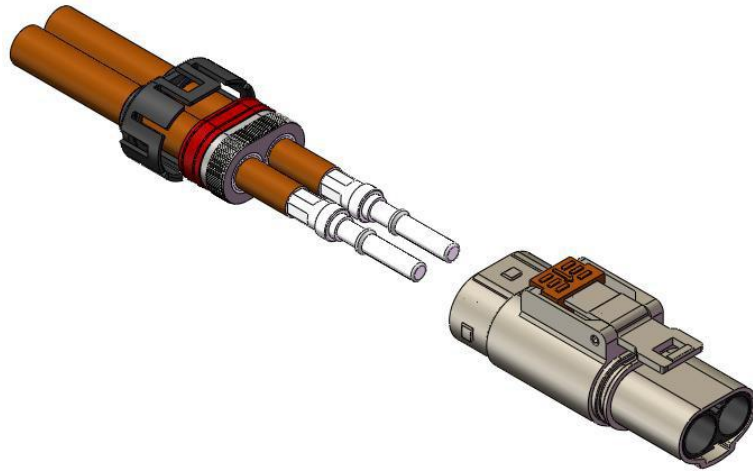
As shown in the figure 3.3., put the back cover, rubber ring, shielding ring, and gasket on the cable in order and assemble them. Finally, straighten the shielding layer.



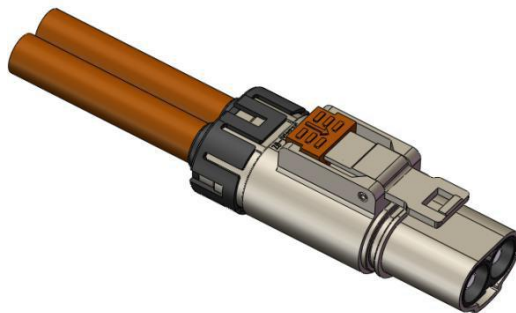
Picture 3.3

3.5 Connector Assembly

Insert the terminals (2pcs) into the connector and push them into place. As shown Picture 3.4 and picture 3.5



Picture 3.4



Picture 3.5

3.6 Test

Test connector should meet below requirement

Insulation Resistance: 500M Ω

Withstand Voltage: 3000V DC

Shield layer continuity: the shield and the shell should be electrically conductive

4. Assembly specification for Receptacle

4.1 Select Wire

Meeting the following Table 4.1 (Should be unshielded wire)

Table 4.1

| Wire Range(mm ²) | Sheath Diameter (mm) | Wire stripping size |
|------------------------------|----------------------|---------------------|
| 2.5 | / | 6.5±0.5 |
| 4.0 | / | 6.5±0.5 |
| 6.0 | / | 6.5±0.5 |
| 10.0 | / | 6.5±0.5 |

4.2 Wire stripping

According to Picture 4.1 to wire stripping, Wire stripping size according to Table 4.1.



Picture 4.1

4.3 Terminal crimp

Crimp the terminal as shown in Picture 4.2. The tensile strength of the terminal after crimping meets the requirements of Table 4.2.



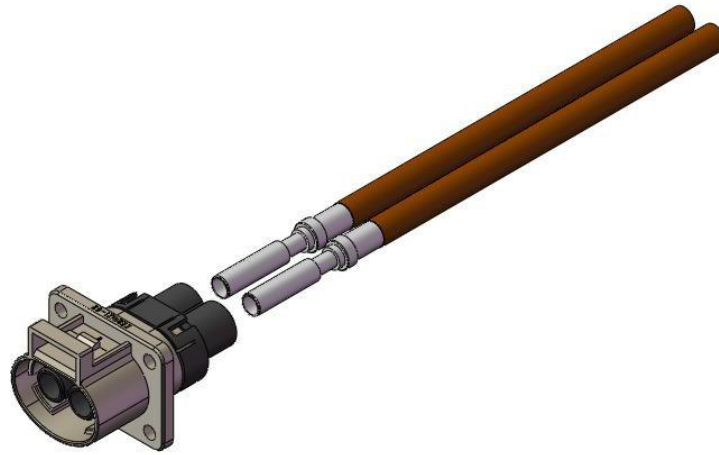
Picture 4.2

Table 4.2

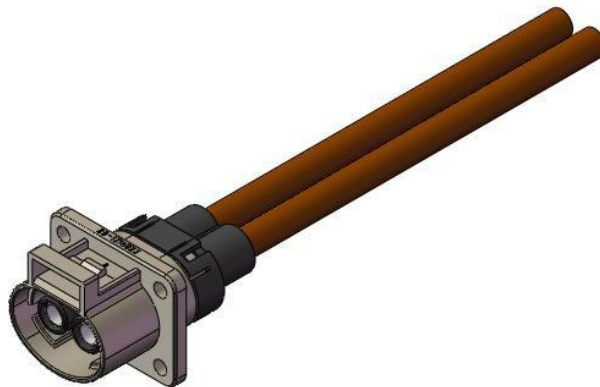
| Wire Range(mm ²) | Tensile strength | Remark |
|------------------------------|------------------|--------|
| 2.5 | 222.5N | / |
| 4.0 | 311.5N | / |
| 6.0 | 356N | / |
| 10.0 | 400.5N | / |

4.4 Connector Assembly

Insert the terminals (2pcs) into the connector and push them into place. As shown Picture 4.3 and picture 4.4



Picture 4.3



Picture 4

4.5 Test

Test connector should meet below requirement

Insulation Resistance: 500M Ω

Withstand Voltage: 3000V DC

Shield layer continuity: the shield and the shell should be electrically conductive

Thank you to read this documents. During use progress, any question please feel free to contact us as below:

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