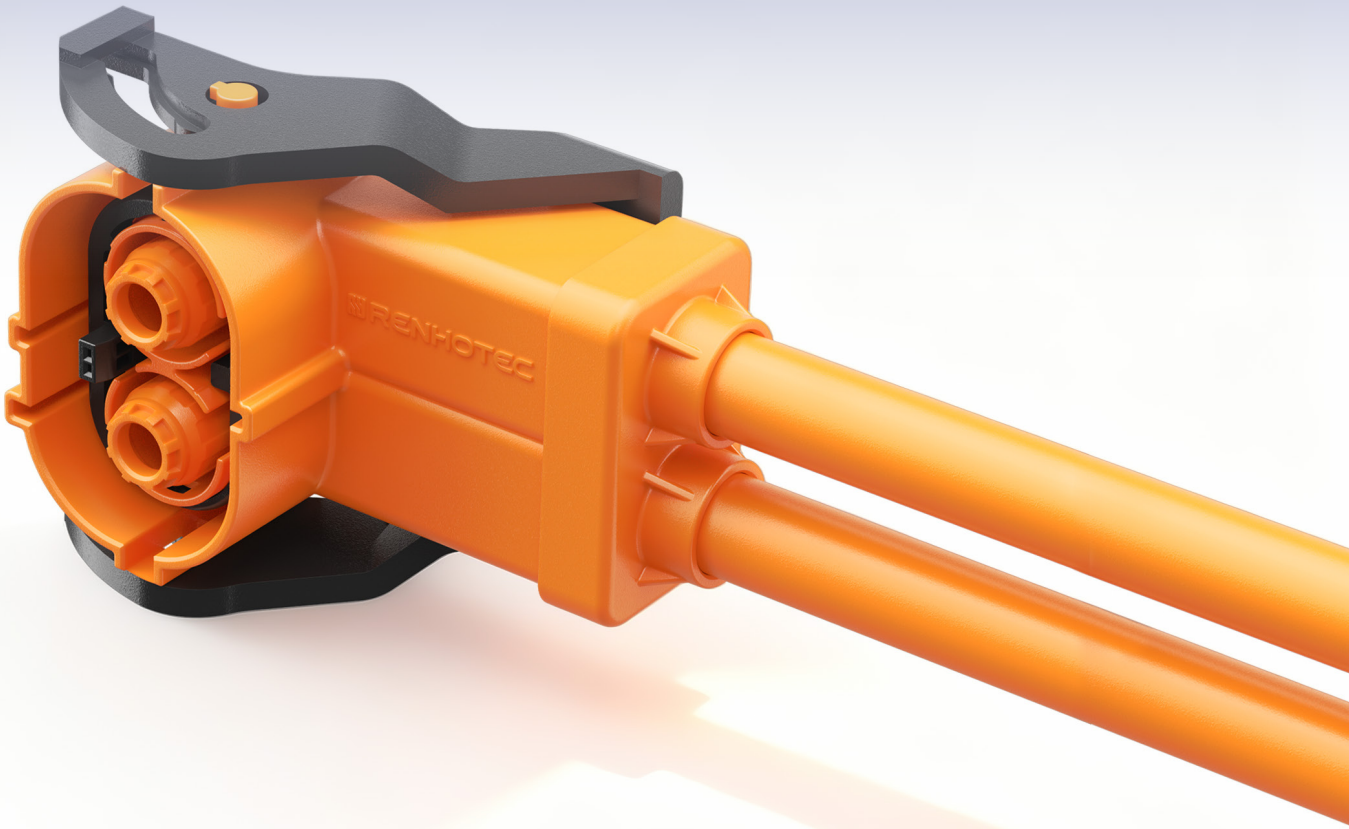
RENHOTEC



INSTALLATION
INSTRUCTIONS

安　装　说　明　书

TWO-CORE 25~70mm² PLASTIC ELBOW CONNECTOR

Steps for Wire Connection 做线步骤说明

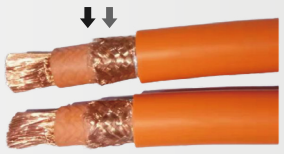
• 产品名称 / Product name 2芯25~70方塑胶连接器弯头 / 2-core 25~70mm² plastic elbow connector

Steps1 / 步骤一

剥线 Wire stripping

1. 剥线尺寸要求请参照本文件中规定的尺寸 2. 剥除外皮时，请勿损坏编织屏蔽层 3. 剥离编织层时，请勿损伤内部绝缘层以避免影响线束的耐压性能

1. Refer to the stripping size requirements in this document for dimensions
2. Do not damage the woven mesh when peeling off the outer cover
3. Do not damage the inner insulation layer when stripping the braid.So as not to damage the voltage resistance performance of the wiring harness

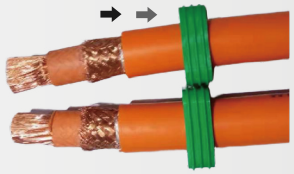


Steps 2 / 步骤二

穿线束防水圈 Inserting Cable Gland

不可引入外界杂物以免造成防水失效

Do not bring in any foreign objects to avoid waterproof failure

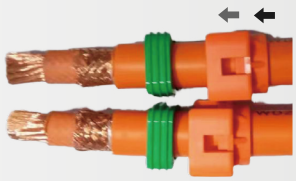


Steps 3 / 步骤三

将电缆放入后盖 Put cable into back cover

注意后盖开口方向

Pay attention to the opening direction of the rear cover

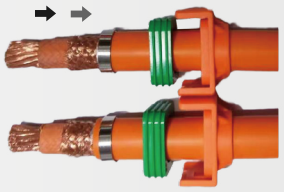


Steps 4 / 步骤四

设置内屏蔽环 Set Inner shielding ring

确认编织网、线束内绝缘层无破损

Confirm that the braid and inner insulation layer of the cable are undamaged

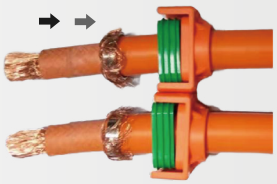


Steps 5 / 步骤五

将编织网翻过来覆盖在内屏蔽环上

The braided mesh evenly covers the inner shielding ring

Note: Braid piles up, hindering outer shield ring assembly



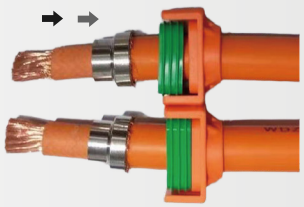
Steps 6 / 步骤六

将套上外屏蔽环 Set outer shielding ring

1.外屏蔽环的一端必须与内屏蔽环的端部对齐，末端对齐 注意：如果两者未对齐则内屏蔽环可能与线束对齐。防水圈干涉，不利于线束防水圈的安装

1. The end of the outer shielding ring must be aligned with the end of the inner shielding ringEnd Alignment

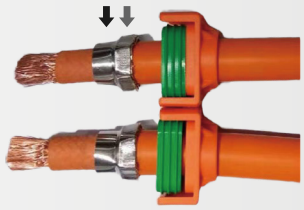
Note: If the two are not aligned, the inner shield ring may be aligned with the wiring harness. Waterproof ring interference, which is not conducive to the installation of wiring harness waterproof ring



Steps 7 / 步骤七 铆压外屏蔽环 Crimp Outer Shield Ring

1.尺寸参考本文所铆压屏蔽环尺寸要求 2.不可过度铆压，以免造成屏蔽环破裂脱落导线与编织层短路等问题 3.减轻多余的编织网

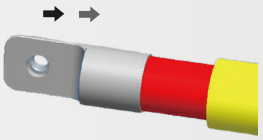
1. Crimping size refers to the crimping size requirements of the shield ring in this document 2. Do not over-crimp to avoid shield ring rupture and detachment, short circuit between wire and braid 3. Trim excess braid.



Steps 8 / 步骤八 压接端子接线片 Crimp terminal lug

1.尺寸参考本文所端子铆压尺寸要求 2.不可过度铆压，以免造成端子脱落、端子断裂等问题

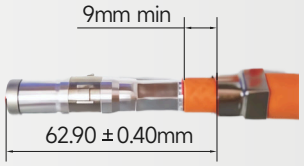
1. Refer to the terminal crimping dimensions in this document for dimensions Require
2.Do not over-crimp to avoid plating
Problems such as falling off and terminal



Steps 9 / 步骤九 确认端子与屏蔽环之间位置尺寸 Confirm the Distance Between Terminal and Shield Ring

确认后端子与屏蔽环需满足图所示尺寸要求

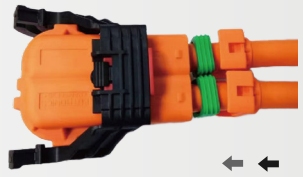
After confirmation, the terminal and the shielding ring must meet the dimensional requirements shown in the drawing



Steps 10 / 步骤十 将端子插入外壳组件 Insert Terminal into Housing Component

1.下持线束，接近垂直插入端子孔，不可侧歪斜插入，避免损伤屏蔽
2.不可大力插入，自然克服阻力即可 避免端子因惯性而损伤屏蔽 3.听到卡塔声，代表组装到位

1. Hold the wire harness and insert it straight into the terminal Do not insert the hole at an angle to avoid scratching.Damage shielding shrapnel
2. No need to insert forcefully, overcome natural resistance is ok



Steps 11 / 步骤十一 组装适配器母端子 Assembly adapter female terminal

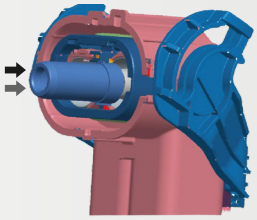
将阴端子安装到外壳中，并拧上M5组合螺钉。将电线插入端子并使用4mm六角扳手用于拧紧锁。拧紧扭矩为5N.M~6N.M

Install the female terminal into the housing and screw the M5 combination screw
Insert the wire into the terminal and use the 4mm
Hexagonal wrench is used to tighten the lock. The tightening torque is 5N.M~6N.M

Steps 12 / 步骤十二 安装前橡胶芯 Install Front rubber core

将前橡胶芯安装到外壳中，然后听到咔嗒声。安装到位

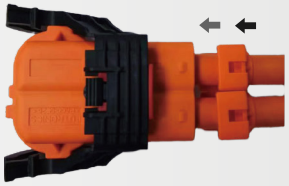
Install the front rubber core into the shell and hear a click.
To install in place



Steps 13 / 步骤十三 防水线束环压入安装前胶芯外壳组件 Press in the waterproof wiring ring. Install the pre-assembled rubber core housing component.

1.确认防水位置无外来杂物2.压入过程不可引入外来杂物

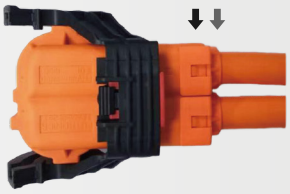
1. Make sure there is no foreign debris in the waterproof position
2. No foreign matter should be introduced into the pressing process



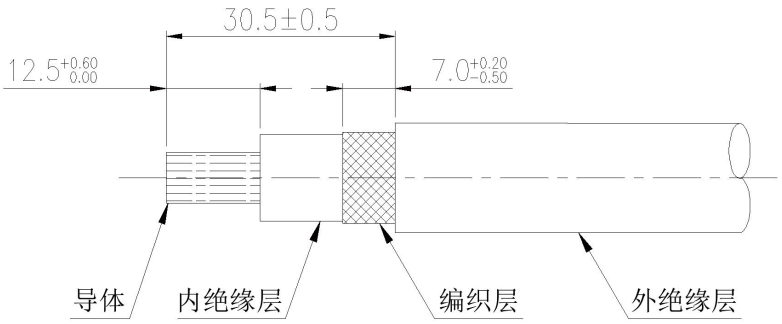
Steps 14 / 步骤十四 合上后盖 Install the rear cover

1.确认防水位置无外来杂物2.压入过程不可引入外来杂物

1.Check the wiring harness and rear cover again before closing the rear cover
2.The buckle is required to completely hook the hanging
No external debris platform



Recommended stripping size / 建议剥离尺寸



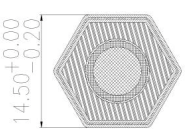
特别提示：以上尺寸"仅供参考"
可根据实际情况适当调整

• Special note: The above dimensions"For reference only" , can be adjusted appropriately according to actual conditions

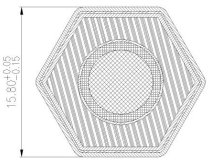
Recommended shield ring crimpping dimensions

❶ 推荐的屏蔽环压接尺寸

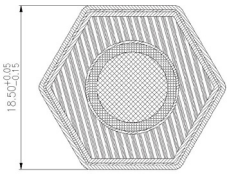
屏蔽环压接尺寸 Shielding ring crimpping dimensions



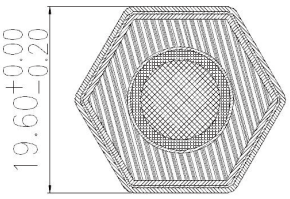
25mm² crimpping size
25mm²压接尺寸



35mm² crimpping size
35mm²压接尺寸



50mm² crimpping size
50mm²压接尺寸



70mm² crimpping size
70mm²压接尺寸

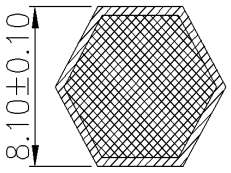
以上尺寸仅供参考，必须满足"屏蔽环与线束之间的夹持力至少为150N"的要求；如果夹持力不足或屏蔽环严重变形，请适当调整压接尺寸。
不要过度卷曲，以避免高压击穿和涂层脱落问题

The above dimensions are "for reference only" and must meet the requirement of "holding force between shielding ring and wiring harness 150N min";If the holding force is insufficient or the shield ring is severely distorted please adjust the crimpping size appropriately.Do not over-crimp to avoid high-voltage breakdown and coating shedding problems.

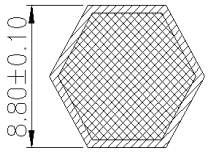
Recommended terminal crimpping dimensions

❷ 推荐的端子压接尺寸

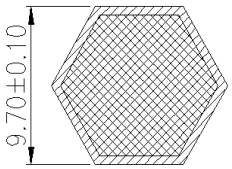
母端子铆接尺寸 Female terminal riveting dimensions



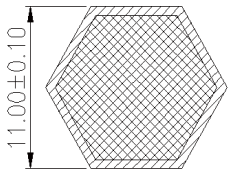
25mm² crimpping size
25mm²压接尺寸



35mm² crimpping size
35mm²压接尺寸



50mm² crimpping size
50mm²压接尺寸



70mm² crimpping size
70mm²压接尺寸

Above size | "For reference only", the following retention requirements must be met:
1.Wire harness retention force after crimpping 25mm²≥1900N min35mm²≥2200N min 2.Greater than or equal to 50mm²≥2700N min
contact: Non-shielded specifications do not require shielding ring assembly

以上尺寸 | "仅供参考"，必须满足以下保留要求：电线压接后线束保持力25mm²≥1900N min35mm²≥2200N min 如果夹持力不足或端子过度拉伸，请调整压接尺寸适当；不要过度施压。避免故障和屏蔽不良等问题大于或等于50mm²≥2700N最小值,触点非屏蔽规格不需要屏蔽环组件

Insert the unlocking instruction before insertion

❸ 插入前插入解锁说明

Steps 1 / 步骤一 拉回 CAP ➔ Steps 2 / 步骤二 压扣推杆解锁 Press buckle Push rod unlock

拉回CPA（红色）
Pull back CPA (red)

按下扣环按钮，将推杆向左旋转
Press the buckle button and Rotate the push rod to the left

Steps 3 / 步骤三 对侧旋转推杆 To the opposite side Rotating push rod

听到咔哒声表示推杆已到达预安装位置
Hearing a click indicates a putt ArrivedPre-installed location

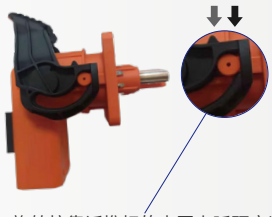
Plug/socket plug-in instructions / 插头/插座插入说明

Steps 1 / 步骤一

1.套筒旋转柱 Socket swivel post

插头和插座外壳需要重叠
Plug and socket housings
Need to overlap

Steps 2 / 步骤二



2.插座旋转柱需要完成完全进入导轨
Socket rotating
column needs to be completed
Fully enter the guide rail

旋转柱靠近推杆的内圈电弧预安装到位
The rotating column is close to the inner circle of the push rod
Arc is pre-installed in place

Steps 3 / 步骤三 将推杆旋转90° Rotate Push Rod 90°

推杆旋转90°后稍微施加按压力至
推杆锲状物伸入卡扣按钮中
Rotate the push rod 90° then apply slight pressure

推杆锲状物伸入卡扣中
Insert the push rod wedge into the buckle

1.确认旋转柱完全进入导轨，可旋转推杆，无旋转柱断裂风险
旋转推杆90°
1.Full insertion of spin column into guide rail confirmed. Push rod rotation verified with no fracture risk.

2.推杆旋转至水平状态，听到咔嗒声代表塔组装到位
2.Rotate the push rod to the horizontal position. An audible click indicates it is fully seated.

Steps 4 / 步骤四 推送CPA Push CPA

CPA往前推
CPA moves forward

1.只有推杆楔将物体插入扣环。
CPA可以前进，直到CPA不能再向前推进
1.Only the putter wedge Insert the object into the buckle.CPA can advance, until CPA can no longer be pushed forward

Plug/Socket Unplugging Instructions / 插头/插座拔出说明

Steps 1 / 步骤一 拉回 CAP ➔ Steps 2 / 步骤二 压扣推杆解锁 Press buckle Push rod unlock

拉回CPA（红色）
Pull back CPA (red)

按下扣环按钮，将推杆向左旋转
Press the buckle button and Rotate the push rod to the left

Steps 3 / 步骤三 对侧旋转推杆 To the opposite side Rotating push rod

推杆就位后的图片
Picture after the push rod is in place

推杆未被推入到位的图片
Picture of the push rod not being pushed into place

有明显的滞后感推杆已经推到位
就位后，旋转柱压在推杆上

The push rod will meet noticeable resistance when pressed into its final position, at which point the rotating column sits flush against the push rod's inner arc surface.

Steps 4 / 步骤四 拔掉 Unplug

必须将推杆推入到位
然后你可以拔下它。否则，旋转柱有断裂的风险

The push rod must be pushed into position
Then you can unplug it.otherwise Risk of fracture of rotating column