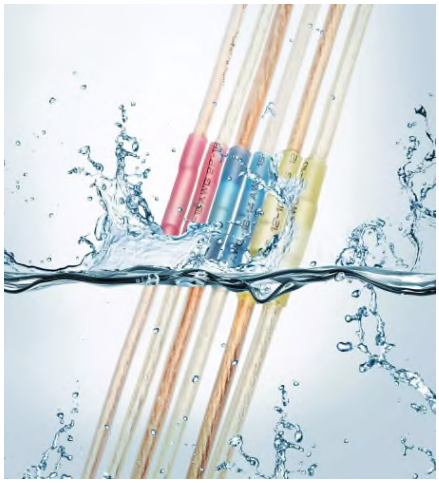
Application Note

Waterproof Heat Shrink Butt Connectors Guide (Part No.702-20328 -Red)

Introduction



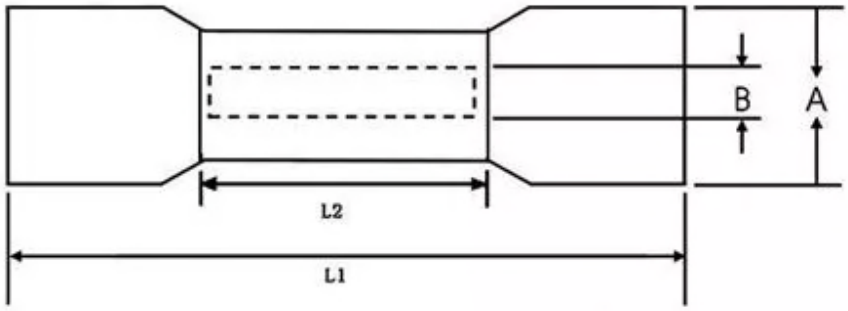
Product Description

HSC the heat shrinkable tubing made by polyolefin, with adhesive lining for protecting splices from water and corrosion. Providing strain relief and against vibration in rugged environment, which completely insulates and protects electrical connections. In the middle of the splice is high pure copper tube, with excellent conductivity property. HSC offers long-term performance, easy installation, and a low installed cost, which is more reliable than conventional crimp terminals.

Characteristics

- Shrink ratio 3:1
- Polyamide hot-melt adhesive provides excellent waterproof property.
- Excellent puncture resistance performance
- Good conductivity property.
- Excellent stretch and mechanical damage resistance
- High elasticity keeps steady performance.
- Operating temperature range : -55 °C ~ 125°C
- Minimum shrink temperature : 80°C
- Minimum fully recovery temperature : 130°C

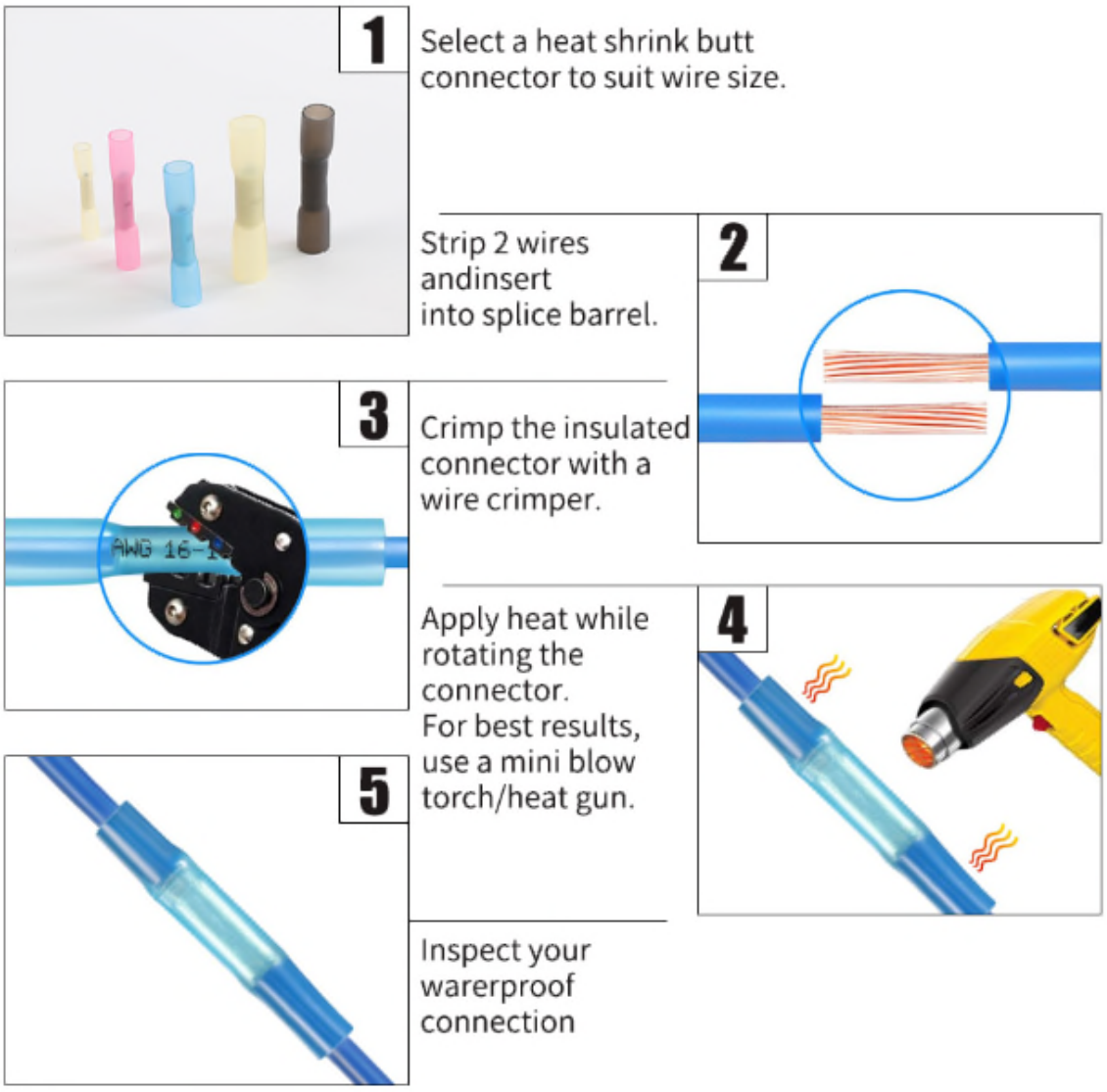
Specification



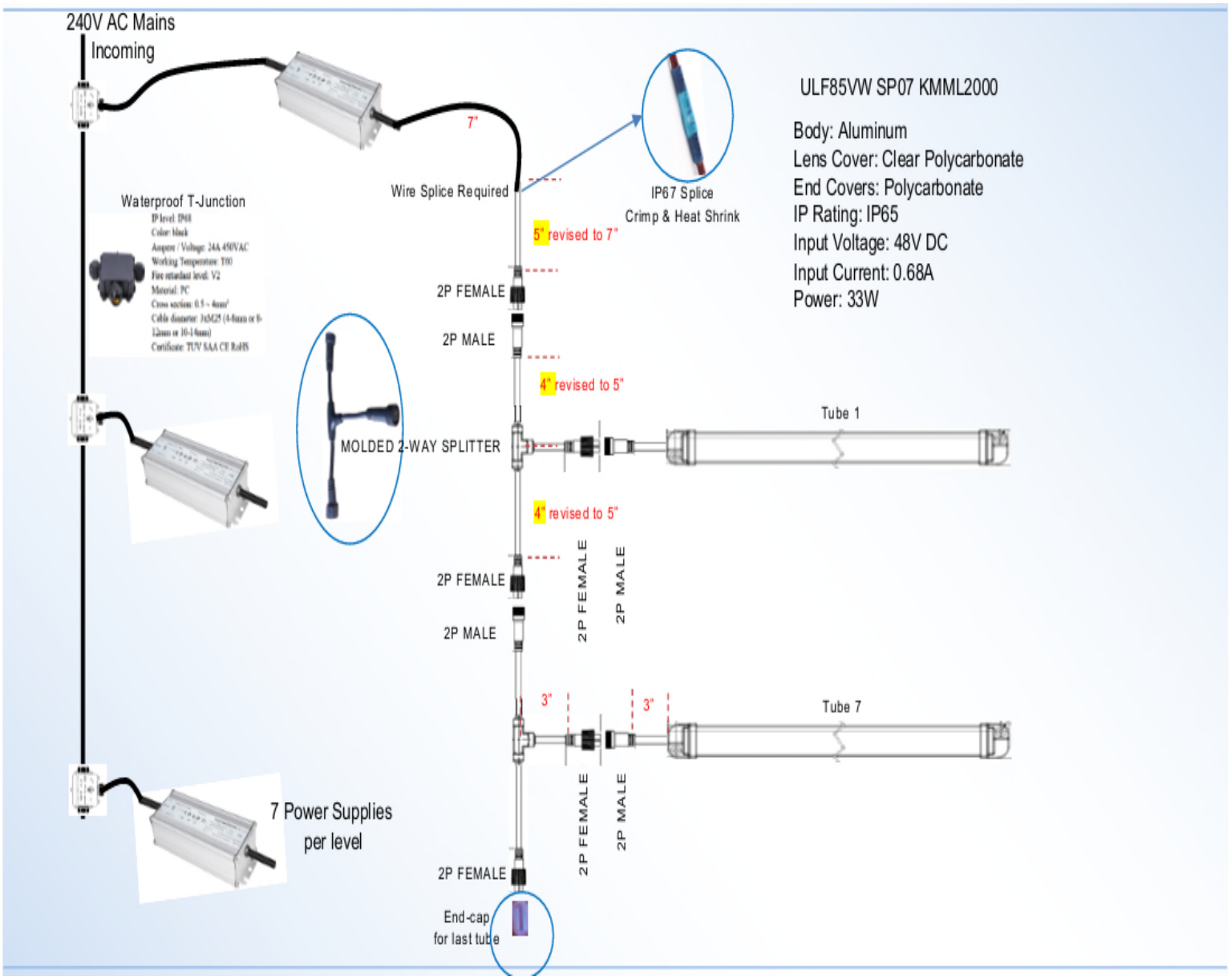
Part No.702-20328 (Red)

Wire Range		Dimension			Heat Shrink Tube			Insulator	Color
A.W.G	mm2	OD	B	L	OD	A	L		
22-18	0.5-1.0	3.2mm	1.7mm	15mm	5.8mm	4.7mm	36.0mm	PE	Red

Application procedure

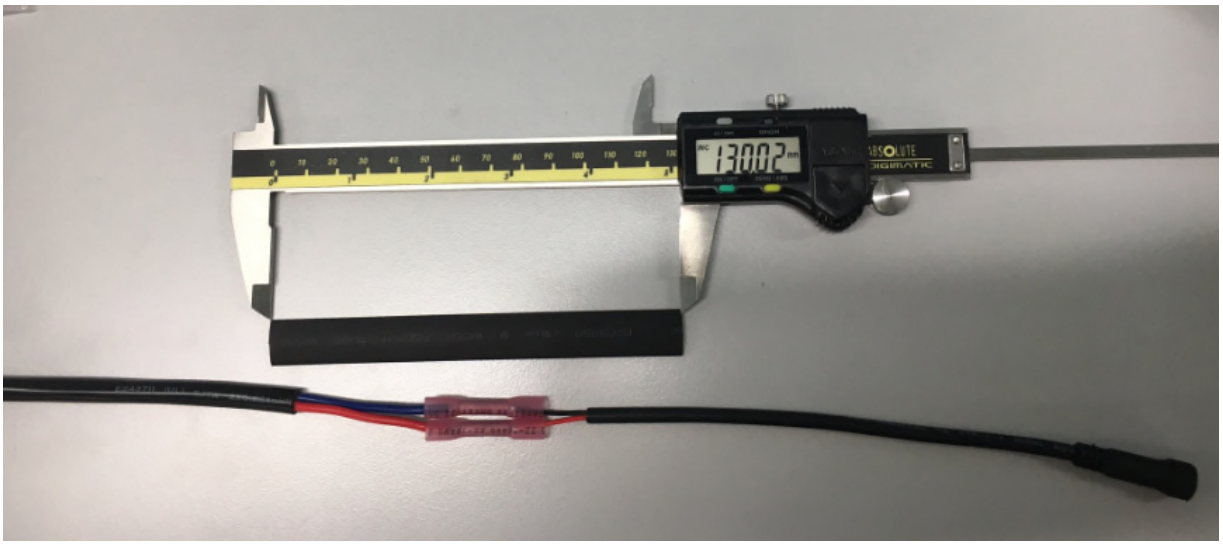


Wire connector Details

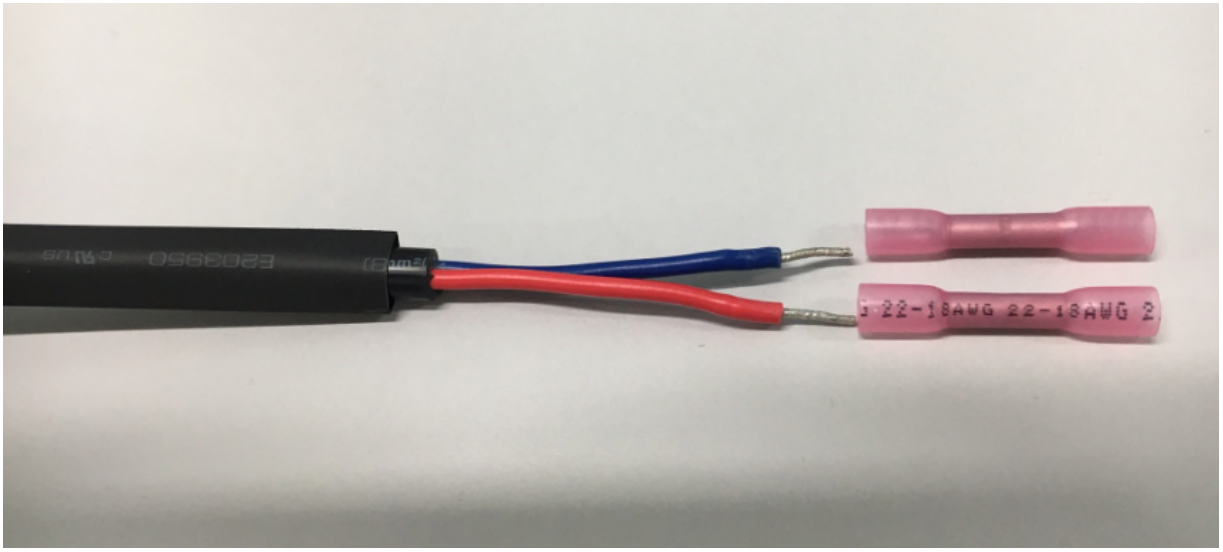


IP67 Wire splice – Crimp and heat shrink

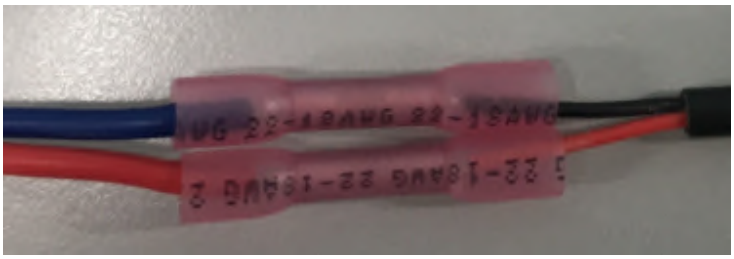
Overview



Insert heat shrink sleeve onto power supply side before crimping the connectors(702-20328)



Proceed to crimp both ends and use a heat gun to shrink the red shrink tubes.



Slide back the black shrink tube to cover the connectors and wire pvc evenly. Shrink the black shrink tube with a heat gun.

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