



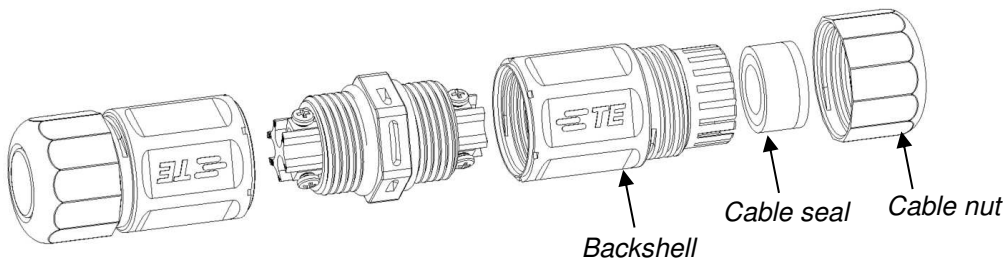
**NOTE**

All numerical values are in metric units [with U.S. customary units in brackets]. Dimensions are in millimeters. Unless otherwise specified, dimensions have a tolerance of  $\pm 0.1\text{mm}$  and angles have a tolerance of  $\pm 2^\circ$ . Figures and illustrations are for identification only and are not drawn to scale.

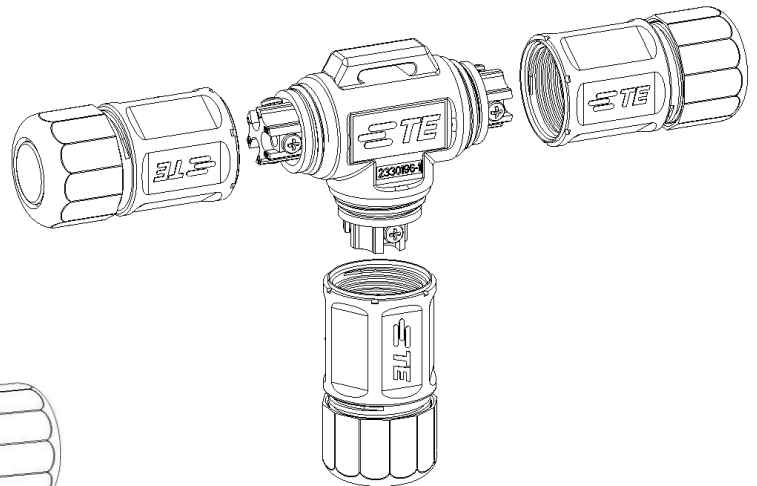
### 1. INTRODUCTION

This specification covers the requirements for application and assembly of Nector T 3 position re-wire able Splice product range used for electrical power distribution. Splices are available in three variants to suit for different applications and all three variants are rated for IP67 & IP68 ingress protection. Wire is terminated to screw contact which accepts conductor diameter from 1.5 mm<sup>2</sup> to 4.0 mm<sup>2</sup>

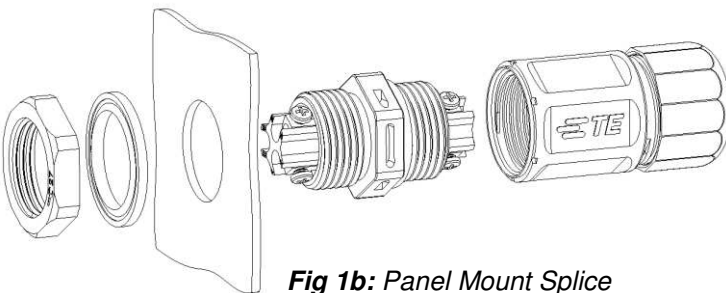
When corresponding with TE Connectivity personnel, use the terminology provided in this specification to facilitate inquiries for information. Basic terms and features of this product are provided in Figure 1



**Fig 1a: In-Line Splice**



**Fig 1c: T-Splitter**



**Fig 1b: Panel Mount Splice**

**Figure 1, Product overview**

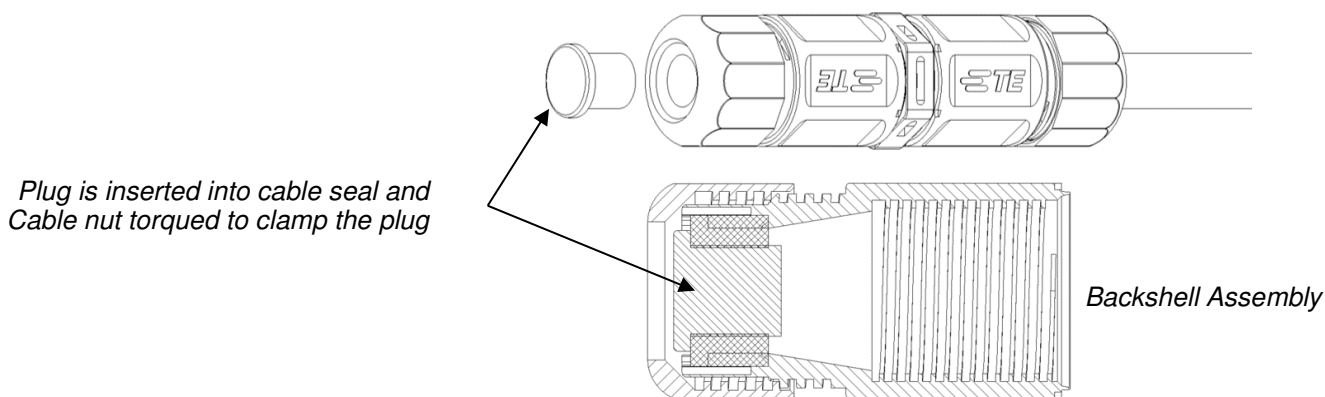
1.1. Part Numbers

Part number	Description	Voltage	Current – Wire size IEC rating
2330191-1	In-Line Splice	250 Vac	16A – 1.5mm <sup>2</sup>
2330192-1	Panel Mount Splice		20A – 2.5mm <sup>2</sup>
2330196-1	T-Splitter Splice		25A – 4.0mm <sup>2</sup>
2361045-1	Moisture Blocking Plug	N/A	N/A

**Table 1, Part Numbers**

1.2. Moisture Blocking Plug

A rubber plug is provided to protect the un-utilized side of the Splice from water and dust ingress. It will provide IP68 protection level. It is a disposable part and must be recycled appropriately. The plug is available to purchase as an accessory. Refer Table 1 for part number.



**Figure 2, Rubber plug assembly**

**2. REFERENCE MATERIAL**

2.1. Revision Summary

Revision 3: 3-Out splitter removed from the project scope

2.2. Customer Assistance

Reference product part numbers listed in Table 1 are representative of Nector T 3 position Splice. Use of these numbers will identify the product line and help you to obtain product and tooling information when visiting [www.te.com](http://www.te.com)

2.3. Drawings

Customer drawings for product part numbers are available from [www.te.com](http://www.te.com). Information contained in the customer drawing takes priority.

2.4. Specifications

108-133122 Product Specification, Nector T 3Pos. Splice

107-133122 Packaging Specification, Nector T 3Pos. Splice

### 3. REQUIREMENTS

#### 3.1. Storage

##### a) Shelf Life

The product should remain in the shipping containers until ready for use to prevent deformation to components. The product should be used on a first in, first out basis to avoid storage contamination that could adversely affect performance.

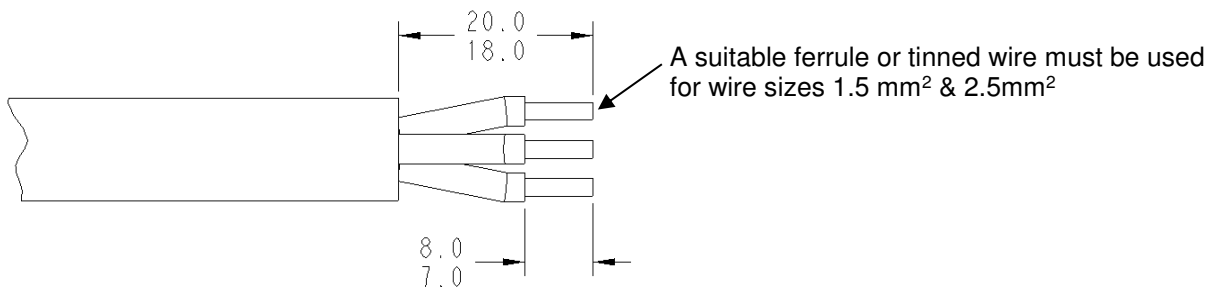
##### b) Chemical Exposure

Do not store product near any chemical listed below as they may cause stress corrosion cracking in the material.

Alkalies	Ammonia	Citrates	Phosphates	Citrates	Sulfur Compounds
Amines	Carbonates	Nitrites	Sulfur Nitrites		Tartrates

#### 3.2. Cable Selection and Preparation

Product accepts three core cable stranded conductor, sizes ranging from 1.5 mm<sup>2</sup> to 4.0mm<sup>2</sup>. The cable type must be H05VV-F. Outer jacket and wire stripping must be according to Figure 3:

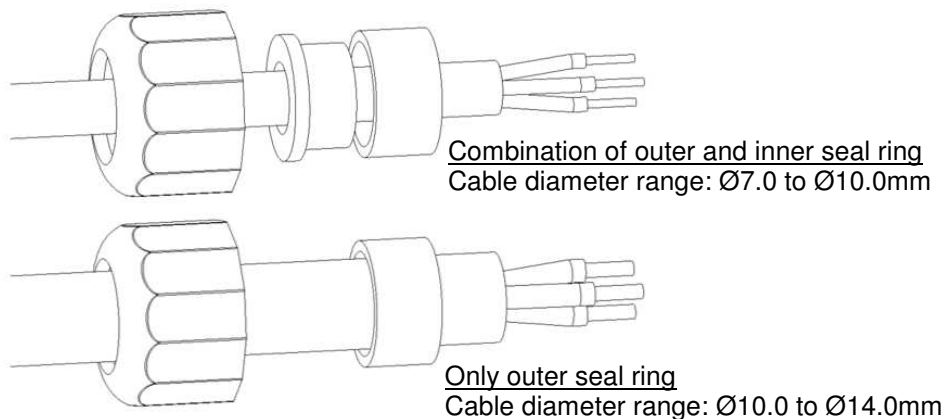


**Figure 3, Wire preparation**

The cable must be clean and free of contaminants, such as dust or other substances that can compromise the insulation diameter. A cloth can be used to wipe the insulation clean, do not use any cleaning agent. The cable insulation must not be damaged or cut, it is preferable to use a sharp cable cutter with curved beaks to ensure the diameter is not deformed. The cable must have no spacing deformation or burrs. For easy insertion make sure the conductor is as straight as possible.

#### 3.3. Cable Diameter Range

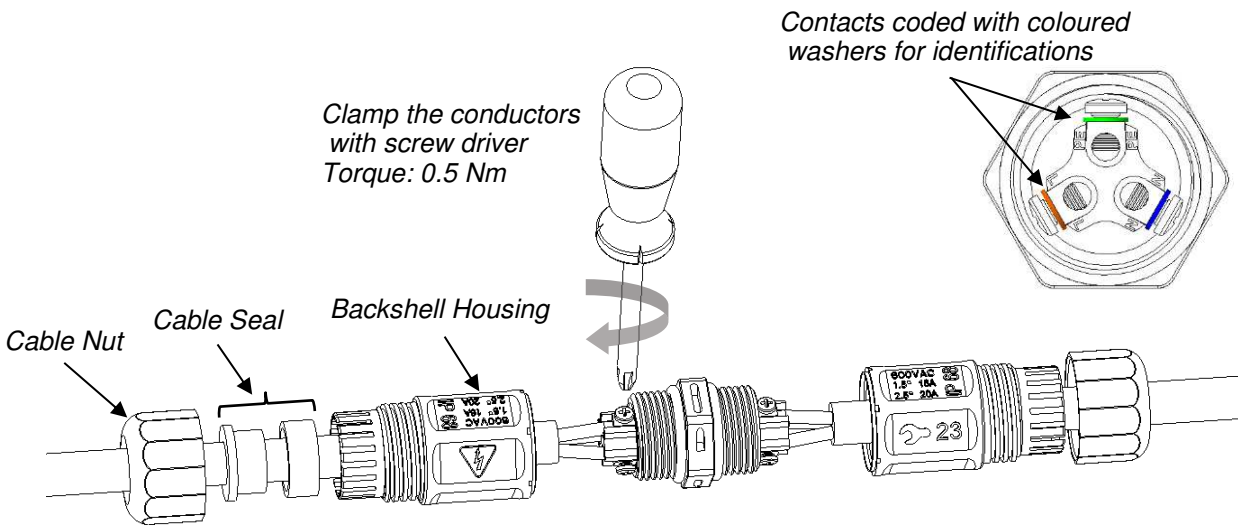
The cable seal is a two-part rubber rings designed to cover the cable diameter from Ø7.0 to Ø14.0mm. Inner ring is for smaller range cable diameters and must be disposed if larger range cable diameter used for the application. Refer Figure 4 for diameter range.



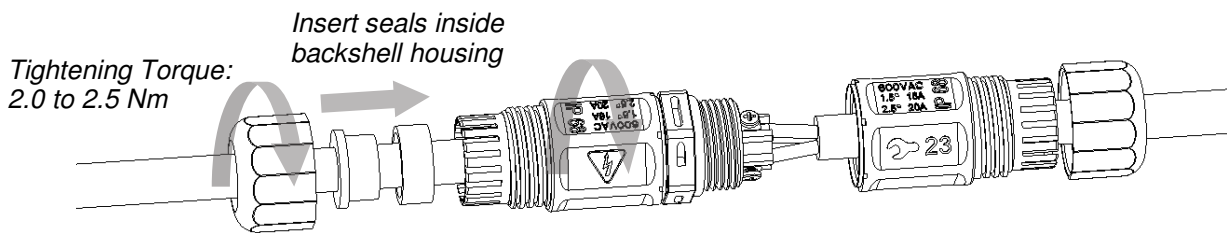
**Figure 4, Cable Diameter Range**

### 3.4. Assembly instructions

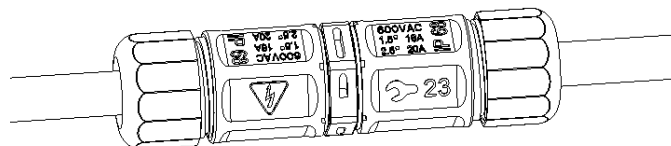
Prepare cable as recommended in 3.2. *Cable Selection & Preparation*. Follow step by step instruction recommended in the Figure 3a & 3b. Instruction is applicable to all three Splice variants.



**Fig 3a: Wire conductor clamping**



**Fig 3b: Assembly Backshell & Cable Nut**



**Figure 5, Assembly instructions**

### 3.5. Replacement and Repair

Damaged or defective splices shall not be used. Products cannot be repaired. Can be reused for re-wiring for multiple times.

## 4. QUALIFICATION

All three variants of Splices are CE certified based on 108-133122 product specification and 501-19298 Qualification report. Certificate number CE\_CERT\_520\_00001\_C3

## 5. ADDITIONAL TOOLING

Standard cross-slotted head screwdriver to be used for connecting conductors. Size 23 standard spanner can be used for torquing the Cable nut.