

All numerical values are in metric units [with U.S. customary units in brackets]. Dimensions are in millimeters [and inches]. Unless otherwise specified, dimensions have a tolerance of ± 0.13 [± 0.005] 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 of PLASTI-GRIP Terminals and Splices for commercial applications. The terminals and splices consist of precision formed metal wire barrel insulated with vinyl with a maximum operating temperature of 90°C [194°F] for the splices and 105°C [221°F] for the terminals. The ring tongue terminals and butt splices are also available insulated with PVF² (polyvinylidene fluoride); these terminals and splices can withstand a temperature range of -65 to 150°C [149 to 302°F]. The terminals are also available in heavy duty (HD) for extra mechanical strength. The terminals and splices accept solid or stranded wire for single applications. The flared end of the insulation allows insertion of wires that meet maximum voltage ratings: 600 V for building wiring and 1,000 V for fixture and sign wiring.

The terminals and splices are color coded to provide a visual reference applicable to the wire size range suitable for the terminal or splice. In addition, terminals are marked on the tongue with the wire size range. The serrations or dimples inside the wire barrel provide maximum contact and tensile strength after crimping. The terminals suitable for mounting accept stud sizes M2 [2] through M12 [.50] (a diameter range of 2.18 through 12.7 mm [.086 through .500 in.]). The terminals and splices are available in loose-piece for terminating with manual and pneumatically-powered hand-held tools, and in tape-mounted form for terminating with semi-automatic hand-held tools and electrically-powered machines.

When corresponding with Tyco Electronics Personnel, use the terminology provided in this specification to facilitate your inquiries for information. Basic terms and features of this product are provided in Figure 1.

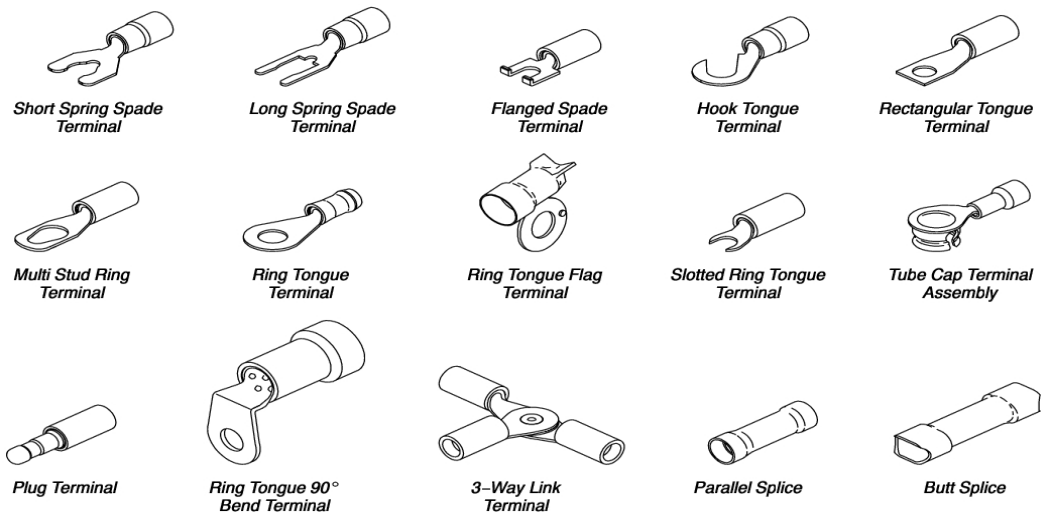


Figure 1