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TE CONNECTIVITY (TE)

SPLICE, COPALUM, BUTT, 2/0 AL, 1/0 CU

[COPALUM](#) | [COPALUM](#)

277161-1

TE Internal Number: 277161-1

Always EU RoHS/ELV Compliant

Product Type **Splice**

Sealed **Yes**

Wire Size (AWG) **1/0**

Wire Size (CMA) **104500**

Wire Size (mm²) **53.9**

Product Drawings

[WIRE SPLICE, BUTT, SEALED COPALUM, 71.3mm2 \[2/0\] ALUMINUM 53.9mm2 \[1/0\] COPPER](#)

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CAD Files

[Customer View Model](#)

2D_DXF.ZIP
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[Customer View Model](#)

3D_IGS.ZIP
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[Customer View Model](#)

3D_STP.ZIP
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Product Specifications

Product Specification

[Sealed COPALUM* Terminals & Splices, Copper Wire](#)

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[Sealed COPALUM* Terminals & Splices, Aluminum Wire](#)

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English

Application Specification

[COPALUM Sealed Terminals And Splices](#)

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Qualification Test Report

[Sealed COPALUM Terminals & Splices, Copper Wire](#)

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Sealed COPALUM Terminals & Splices, Aluminum Wire

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Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Splice
	Sealed	Yes
	Splice Type	Butt Splice
	Serrated	No
	Wire/Cable Type	Aluminum, Copper
Body Features	Splice Material	Copper
	Weight per Piece (g)	75.98
Contact Features	Contact Plating Material	Nickel
	Contact Plating Thickness (µin)	100
Dimensions	Wire Size (AWG)	1/0
	Wire Size (CMA)	104500
	Wire Size (mm²)	53.9
Packaging Features	Packaging Method	Box
	Packaging Quantity	25
Other	Comment	For Al-Al applications, splices will accept the same wire size at either end. For Al-to-Cu applications, however, the size of the Cu wire must be "stepped down" 2 wire sizes to compen. for the diff. in the elect. properties of Copper and Aluminum.
Product Compliance		
Statement of Compliance		
PDF		
VIEW ALL PRODUCT COMPLIANCE		