

Large Gauge Sealed Splices for Aluminum and Copper Cables



RELIABLE, EASY-TO-INSTALL CONNECTIONS

Large Gauge Aluminum Splices from Carlisle Interconnect Technologies (CarlisleIT) offers the fastest installation in the industry—a single crimp on each barrel that leaves no burrs for removal in secondary operations. Additionally, the crimps may be applied at any rotational angle on the barrel, and the crimps on each barrel may be oriented at any angle to one another, allowing for quick and easy installation even when the cables being spliced are routed against walls. Standard splices are available for traditional butt splicing of aluminum conductors and transition splicing from copper to aluminum conductors.

CarlisleIT can also produce custom splices for cable gauges from #10 AWG to 4/0 AWG in lightweight tin, nickel-plated aluminum or nickel-plated copper for applications up to 260°C. Whether your need is for a standard splice for rapid entry into service or a custom design, CarlisleIT provides the solution.



The CarlisleIT crimping process produces very little barrel skew, resulting in installations where cables are nearly straight, which facilitates both design and installation. This is accomplished regardless of the orientation of the crimps to one another.

FEATURES & BENEFITS

Feature	Customer Benefit
Barrels seal on cable insulation	Provides improved corrosion resistance over unsealed terminal lugs
Barrel may be crimped at any rotational angle	Installation and inspection is simplified as there are no rotational indicators that the crimps must be aligned with
Crimps may be made at any rotational angle to one another	Facilitates quick and easy installation even when the cables are routed against walls
Aluminum connector bodies	65% weight savings (on average) versus copper
Uses Industry-standard 22- and 33-ton crimp heads	Efficient installation while minimizing conversion costs
Efficient crimping process	Modified hex crimp design produces no burrs, eliminating the cost of secondary operations, minimizing plating damage and providing superior corrosion resistance
Crimping design	Produces installations where cables are nearly straight, facilitating harness design and installation
Patented integral oxide breaker	Improves conductivity while eliminating need for messy anti-oxidant grease

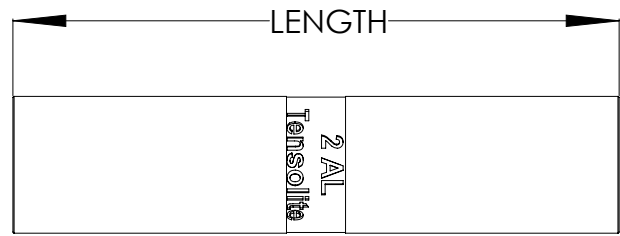
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SPECIFICATIONS & PERFORMANCE

Butt Splices for Aluminum-to-Aluminum Connections

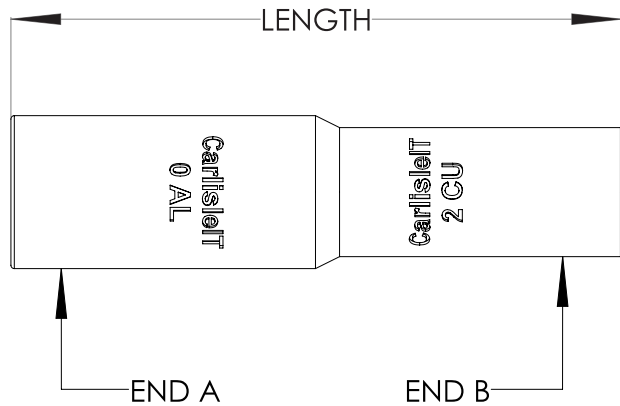
- » For splicing CarlisleIT TLA-175 aluminum cables
- » Lightweight tin-plated aluminum construction for applications up to 150°C



Part No.	Wire Size (AWG)	Length (in)	Max. Weight (g)	Crimp Die Part No.
640-43071-01	2	2.530	16.3	999-63006-200
640-43072-01	1/0	2.585	23.7	999-63007-200
640-43069-01	2/0	3.235	36.9	999-63008-200
640-43070-01	4/0	3.435	53.8	999-63010-100

Transition Splices for Aluminum-to-Copper Connections

- » For splicing aluminum cables to copper cables
- » Lightweight tin-plated aluminum construction for applications up to 150°C



Part No.	End A		End B		Length (in)	Max. Weight (g)
	Aluminum Wire Size (AWG)	Crimp Die Part No.	Copper Wire Size (AWG)	Crimp Die Part No.		
640-43083-01*	1/0	999-63007-200	2	999-63006-200	2.71	21.9
640-43077-01**	3/0	999-63012-100	1/0	999-63007-200	3.08	35.6

* For use with TLA-175 aluminum cable and TGS-260 copper cable

** For use with 1/0 AWG AD, VY or AM aluminum cable and 2 AWG DR / UST16 & DR / UST17 copper cable

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CarlisleIT.com/products/connectors-and-adapters

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