



Aluminum-Copper Inline Splice

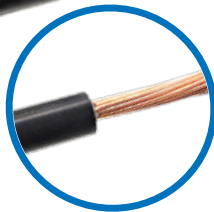
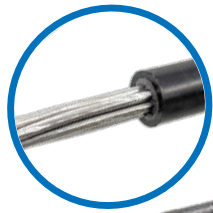
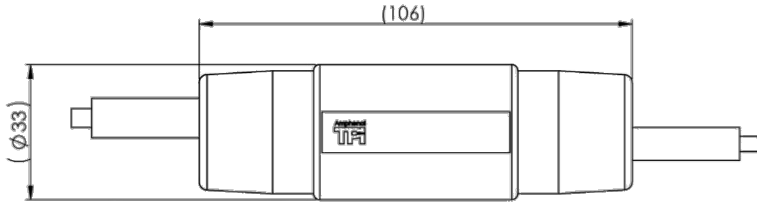
Amphenol TPI's Al-Cu Splice enables seamless integration of aluminum cable extensions between harnesses, modules, and combiner boxes. Utilizing aluminum cables significantly reduces overall costs compared to full copper extenders while maintaining current capacity and resistance. The Al-Cu Splice design ensures reliable, long-lasting connections, making it an ideal solution for cost-effective and efficient solar power installations. Enhanced with a molded over-cable design for superior sealing, Al-Cu Splice ensures robust performance in various environmental conditions.

Features

- Allows for low cost aluminum extensions / extenders
- Maintains ampacity and resistance compared to standard copper extensions
- Durable construction, UV / Chemical resistant
- Enhanced long term sealing
- Option to upsize Aluminum cable to decrease resistance compared to Copper alternatives
- 95A max current rating
- 1500 / 2000 VDC rating
- 6 AWG – 2 AWG Aluminum
- 12 AWG – 6 AWG Copper
- UL 9703 Compliance



Al-Cu Inline Splice



CAT NO.	DESCRIPTION
217100	ASSY-AL/CU, EXTENDER,6AL/12CU
217101	ASSY-AL/CU, EXTENDER,6AL/10CU
217102	ASSY-AL/CU, EXTENDER,6AL/8CU
217110	ASSY-AL/CU, EXTENDER,4AL/12CU
217111	ASSY-AL/CU, EXTENDER,4AL/10CU
217112	ASSY-AL/CU, EXTENDER,4AL/8CU
217120	ASSY-AL/CU, EXTENDER,2AL/12CU
217121	ASSY-AL/CU, EXTENDER,2AL/10CU
217122	ASSY-AL/CU, EXTENDER,2AL/8CU
217213	ASSY-AL/CU, EXTENDER,4AL/6CU
217223	ASSY-AL/CU, EXTENDER, 2AL/6CU

Technical Data

Voltage Rating	1500 / 2000 VDC
Rated Current	95A @ 40°C Peak Ambient, 86A @ 50°C Ambient
Aluminum Cable Range	6 AWG – 2 AWG
Copper Cable Range	12 AWG – 6 AWG
Flammability	UL94 5VA (Exceeds V0)
Ambient Temperature Range	-40°C – 50°C
Environmental Protection	IP67, IP68, IP69K after conditioning (overmold bonded to cable jacket)
Overmold	Sealed, outdoor rated, design and material, UV / Chemical resistant
UV Resistance Rating	UL 746C f1
Al/Cu Termination Compliance	ANSI C119.4
Termination Rating	CU9AL Copper and Aluminum 90°C Cable (NEC)
Termination Method	Field-proven Al/Cu termination with oxide inhibitor
Cable Assembly Certification	UL9703 ETL listed, for use in UL9703 cable assemblies (extensions/extenders) together with all major PV connector options

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.