

# BIG LEAD ASSEMBLY (BLA)

## ABOUT

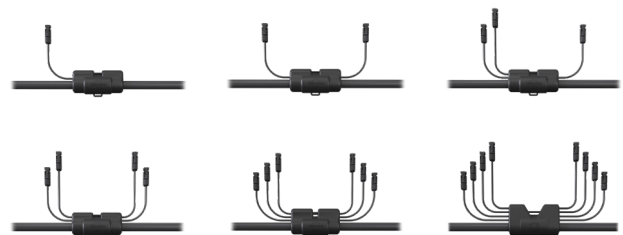
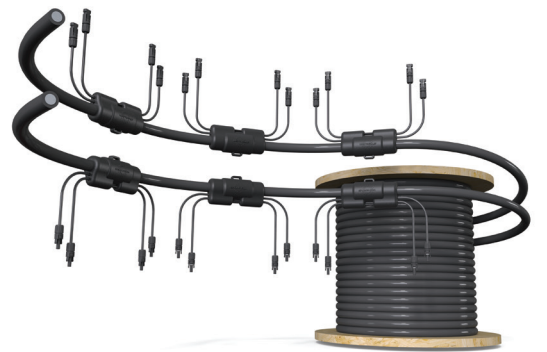
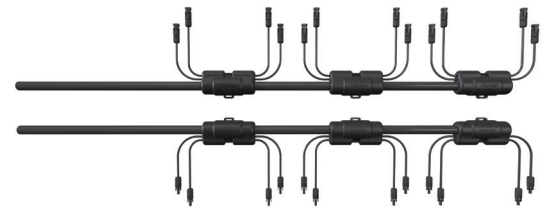
Shoals introduces the Big Lead Assembly, or BLA for short. The BLA is an aboveground aluminum trunk system that combines the functionality of cable assemblies, combiner boxes, and fusing all into one. This free air de-rated system eliminates the need for standard combiner boxes, messy multiple conductor string wires, cable trays, trenching, and field crimping. Factory manufactured and quality guaranteed.

## FEATURES

- Up to (4) 8 AWG or (8) 10 AWG input leads per BLA mold drop
- Configurable for FSLR S4, FSLR S6, Crystalline, or Bi-Facial
- Plug and Play - eliminates field crimping and splicing
- Patented undermold/overmold process chemically bonds and hermetically seals joints
- Eliminates standard combiner boxes
- Utilizes free air ampacity table NEC 310.17
- Standard 5-year warranty on all models
- ETL certified to UL9703 for 600 VDC, 1000 VDC, and 1500 VDC systems
- ETL certified to CSA C22.2#182.5 for PV Connectors
- ETL certified to CSA C22.2#271 for PV Cables
- ETL certified to CSA C22.2#198.2 for Sealed Wire Connector

## OPTIONS

- Customizable for up to 600 MCM wire gauges
- Messenger cable for mechanical attachment
- Cable available in standard colors
- BLM string monitoring



TECHNICAL SPECS	STG.BLA
Voltage Rating	600 VDC / 1000 VDC / 1500 VDC
Max. Isc (Trunk)	Up to 615A*
Max. OCPD Per String	50A
Max. Trunk Cable Size	600 MCM
Number of Input Circuits	Customer Specific
Max. Ambient Temp. Rating	50°C

\*Max Isc shown is per NEC Code 2020, Table 310.17 for single-insulated conductors in free air at an ambient temperature of 30°C. Max Isc per BLA mold drop is determined by max allowable conductor ampacity per NEC 690.8(B) and any additional derating required at different ambient temperatures. Please refer to the Engineer of Record for calculations or use of different tables. Max OCPD per string is up to 50A.

Plastic over-mold material is suitable for outdoor use with respect to exposure to UV light, Water Exposure and Immersion in accordance with UL 746C. Product design and specification subject to change or modification without notice.

