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XLE-SC-XLPE-300.500V-M4

1.5mm² Shielded Instrumentation Signal Cable - 10 Pair - XLPE/SWA/LSZH - Overall Screened - 300/500V - Per Foot

Product ID: 338816



Image: XLE-SC-XLPE-300.500V-M4

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

XLE-SC-XLPE-300.500V-M4 Instrumentation Signal Cable

Unit Type: Shielded Instrumentation Signal Cable - 10 Pair - Overall Screened - SWA Armored
Dimensions: Custom Lengths Available
Weight: Varies by Pair Count and Length
Voltage Rating: 300/500V
Conductor: 1.5mm² (16 AWG) 7-Strand Annealed Bare Copper
Insulation: MGT/XLPE (Moisture Resistant Grade Thermoset / Cross-Linked Polyethylene)
Shielding: Overall Screen (OSCR) with Drain Wire
Armor: None
Jacket: LSZH (Low Smoke Zero Halogen) Outer Sheath
Conductor Identification: Red (+) and Blue (-)
Configuration: 10 Pair Twisted Pair
Temperature Rating: 90°C Maximum Conductor Operating Temperature
Environmental Rating: Resistant to UV Exposure, Windblown Sand, Dust, Salt-Laden Air, Condensation, H□S, Hydrocarbons, Water, and Industrial Chemicals
Configuration: 1 Pair Twisted Pair
Installation: Indoor/Outdoor, Cable Tray, Conduit, Duct Bank, and Trench Installations
Cable Marking: Ink-Jet Printed Identification with Marking at 1-Meter Intervals
Applications: Fire & Gas Systems, 4-20mA Signals, Analog Instrumentation, PLC/DCS Communications, Process Control Systems, Monitoring and Alarm Circuits
Design Life: 30 Years Minimum
Compliance: BS EN 50288-7, IEC 60331, IEC 60332-3 Category C, QatarEnergy LNG Standard 199-00-51-IN-TS-NA-000059
Larson Electronics manufactures a wide variety of custom power distribution systems. The

Ratings/Approvals

Special Orders- Requirements

Contact us for special requirements
Phone: 1-214-616-6180
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

*All grounding shall comply with state and local codes and

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meet the minimum requirements of the National Electronic Code section 250*

The Larson Electronics XLE-SC-XLPE-300.500V-M4 Shielded Instrumentation Signal Cable is designed for reliable transmission of low-level analog and digital signals in industrial, commercial, and process control applications. This 10-pair instrumentation cable features a twisted pair configuration with an overall screen and drain wire to protect against electromagnetic interference (EMI) and ensure signal integrity in demanding operating environments.

The XLE-SC-XLPE-300.500V-M4 instrumentation signal cable is constructed with 1.5mm² (16 AWG) multi-stranded annealed copper conductors, MGT/XLPE insulation, and a low smoke zero halogen (LSZH) outer sheath. Rated for 300/500V operation, this cable is suitable for indoor and outdoor installations in cable trays, conduit systems, duct banks, and trench applications. The cable is designed for use in Fire & Gas systems, 4-20mA analog loops, PLC and DCS communications, process instrumentation, monitoring systems, and other critical control signal applications. The cable offers excellent resistance to UV exposure, moisture, hydrocarbons, H□S, dust, salt-laden air, and other harsh industrial conditions.

Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

There are no Faqs