

9842 PVC - LSF Alternative Cable



Eland Product Group: A3B

APPLICATION

9842 Alternative cable is a 24 AWG low capacitance cable with a high level of screening. Provides interference free, high speed data transmission suitable for RS485 applications.

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
Fixed: -20°C to +80°C

CONSTRUCTION

Conductor

Class 2 stranded tinned copper conductor

Insulation

PE (Polyethylene)

Screen

Al/PET (Aluminium polyester foil)

Drain Wire

Stranded Tinned copper

Braid

TCWB (Tinned Copper Wire Braid)

Sheath

PVC-LSF (Polyvinyl Chloride-Low Smoke Fume)

Core Identification

Pair 1: ● Blue/White ● White/Blue

Pair 2: ● Orange/White ● White/Orange

Sheath Colour

● Grey

DIMENSIONS

| ELAND PART NO. | NO. OF PAIRS | AWG (NO. OF STRANDS) | NOMINAL DIAMETER OF STRANDS mm | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|-------------------------|--------------------------------------|-----------------------------------|----------------------------|
| A3B9842LSFGR | 2 | AWG24(7) | 0.2 | 8.4 | 92 |

ELECTRICAL CHARACTERISTICS

| CAPACITANCE AT 1kHz pF/m | MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km |
|-----------------------------|--|
| 41.9 | 91 |

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.

