

# 8451 PVC - LSF Alternative Cable



Eland Product Group: A3B

## APPLICATION

8451 Alternative cable is suitable for use in instrumentation, data and audio applications where protection against electrical interference is required. Cables with polyethylene insulation show lower signal loss than those using PVC.

## CHARACTERISTICS

**Voltage Rating**  
300V

**Temperature Rating**  
Fixed: -20°C to +75°C

## CONSTRUCTION

**Conductor**  
Class 2 stranded tinned copper

**Insulation**  
PE (Polyethylene)

**Screen**  
Aluminium foil

**Drain Wire**  
Tinned copper

**Sheath**  
PVC-LSF (Polyvinyl Chloride-Low Smoke Fume)

**Core Identification**  
● Black ● Red

**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
A3B8451LSFGR	1	AWG22(7)	0.254	3.51	23

## ELECTRICAL CHARACTERISTICS

CAPACITANCE AT 1kHz pF/m	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
111.5	47.6

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.

## 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™.

