

Belden 8451 - LSF (Belden Alternative) Cable



Eland Product Group: **A3B**

APPLICATION

Belden 8451 - LSF (Belden 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.

CONSTRUCTION

Conductor

Class 2 stranded tinned copper conductor

Insulation

PE (Polyethylene)

Screen

Aluminium foil

Drain Wire

Tinned copper

Sheath

LSF (Low Smoke and Fume)

CABLE STANDARDS

Generally to Belden 8451



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating

300V

Temperature Rating

Fixed: -20°C to +75°C

Core Identification

1 Pair: ● Black ● Red

Sheath Colour

● Grey

DIMENSIONS

ELAND PART NO.	BELDEN ALTERNATIVE	NO. OF PAIRS	AWG (NO. OF STRANDS)	NOMINAL DIAMETER OF STRANDS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3B8451LSFGR	8451LSF	1	AWG22(7)	0.254	3.51	23

ELECTRICAL CHARACTERISTICS

ELAND PART NO.	BELDEN ALTERNATIVE	CAPACITANCE AT 1kHz pF/m	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
A3B8451LSFGR	8451LSF	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.