

# Overall Screened Multi-Pair Cable (Belden Equivalent)

Eland Product Group **A3B**



## Application

Overall Screened Multi-Pair Cable (Belden Equivalent) provides protection against electrical interference. Suitable for use over long distances at high performance levels and where low signal distortion is required. Used for instrumentation control and RS232 applications.

## Standards

RS232

## Technical Data

### Conductor

Stranded tinned copper

### Insulation

PVC (Polyvinyl Chloride)

### Drain Wire

Tinned copper

### Screen

Aluminium / polyester tape and tinned copper drain wire.

### Sheath

9501LSF: (Low Smoke and Fume)  
 9501LSZH: (Low Smoke Zero Halogen)  
 9502LSF: (Low Smoke and Fume)  
 9502LSZH: (Low Smoke Zero Halogen)  
 9503LSF: (Low Smoke and Fume)  
 9504LSF: (Low Smoke and Fume)  
 9504LSZH: (Low Smoke Zero Halogen)  
 9506LSF: (Low Smoke and Fume)  
 9508LSF: (Low Smoke and Fume)  
 9510LSF: (Low Smoke and Fume)

### Sheath Colour

Grey

### Voltage Rating

300V

### Temperature Rating

80°C

### Core Identification

9501LSF 1 Pair: Black/Red  
 9502LSF 2 Pair: Black/Red, Black/White  
 9503LSF 3 Pair: Black/Red, Black/White, Black/Green  
 9504LSF 4 Pair: Black/Red, Black/White, Black/Green, Black/Blue  
 9506LSF 6 Pair: Black/Red, Black/White, Black/Green, Black/Blue, Black/Yellow, Black/Brown  
 9508LSF 8 Pair: Black/Red, Black/White, Black/ Green, Black/Blue, Black/Yellow, Black/Brown, Black/Orange, Red/White  
 9510LSF 10 Pair: Black/Red, Black/White, Black/ Green, Black/ Blue, Black/Yellow, Black/Brown, Black/Orange, Red/White, Red/ Green, Red/Blue

## Dimensions

Eland Part Number	Belden Alternative	No. of Pairs x Pair x AWG (No. of Strands) # x # x AWG (#)	Nominal Diameter of Strands mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A3B9501LSFGR	9501LSF	1 x 2 x AWG24(7)	0.2	4.00	21
A3B9501LSZHGR	9501LSZH	1 x 2 x AWG24(7)	0.2	4.00	21
A3B9502LSFGR	9502LSF	2 x 2 x AWG24(7)	0.2	5.50	34
A3B9502LSZHGR	9502LSZH	2 x 2 x AWG24(7)	0.2	5.50	34
A3B9503LSFGR	9503LSF	3 x 2 x AWG24(7)	0.2	5.60	45
A3B9504LSFGR	9504LSF	4 x 2 x AWG24(7)	0.2	6.20	54
A3B9504LSZHGR	9504LSZH	4 x 2 x AWG24(7)	0.2	6.20	54
A3B9506LSFGR	9506LSF	6 x 2 x AWG24(7)	0.2	7.34	65
A3B9508LSFGR	9508LSF	8 x 2 x AWG24(7)	0.2	8.23	95
A3B9510LSFGR	9510LSF	10 x 2 x AWG24(7)	0.2	9.30	119

## Electrical Characteristics

Eland Part Number	Belden Alternative	Capacitance at 1khz pF/m	Max Conductor Resistance ohms/Km
A3B9501LSFGR	9501LSF	131.2	78.7
A3B9502LSFGR	9502LSF	98.4	78.7
A3B9503LSFGR	9503LSF	98.4	78.7
A3B9504LSFGR	9504LSF	98.4	78.7
A3B9506LSFGR	9506LSF	98.4	78.7
A3B9508LSFGR	9508LSF	98.4	78.7
A3B9510LSFGR	9510LSF	98.4	78.7