

# Overall Screened Multi-Core Cable (Belden Equivalent)

Eland Product Group **A3B**



## Application

Overall Screened Multi-Core Cable (Belden Equivalent) RS232 data cable is a general purpose overall screened cable. With protection against electrical interference, this cable is suitable for RS232 applications.

## Standards

RS232

## Technical Data

### Conductor

Stranded tinned copper

### Insulation

8770 LSF: PE (Polyethylene)  
 9533 LSF: PVC (Polyvinyl Chloride)  
 9534 LSF: PVC (Polyvinyl Chloride)  
 9536 LSF: PVC (Polyvinyl Chloride)  
 9538 LSF: PVC (Polyvinyl Chloride)  
 9540 LSF: PVC (Polyvinyl Chloride)  
 9541 LSF: PVC (Polyvinyl Chloride)

### Screen

Aluminium / polyester tape and tinned stranded copper drain wire.

### Drain Wire

Tinned copper

### Sheath

LSF (Low Smoke and Fume)

### Sheath Colour

Grey

### Voltage Rating

300V

### Temperature Rating

8770 LSF: 60°C  
 9533 LSF: 80°C  
 9534 LSF: 80°C  
 9536 LSF: 80°C  
 9538 LSF: 80°C  
 9540 LSF: 80°C  
 9541 LSF: 80°C

### Core Identification

8770 LSF 3 Cores: Red, Black, Clear  
 9533 LSF 3 Cores: Red, Black, White  
 9534 LSF 4 Cores: Red, Black, White, Green  
 9536 LSF 6 Cores: Red, Black, White, Green, Brown, Blue  
 9538 LSF 8 Cores: Red, Black, White, Green, Brown, Blue, Orange, Yellow  
 9540 LSF 10 Cores: Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Grey  
 9541 LSF 15 Cores: Black, White, Red, Green, Orange, Blue, White/Black, Red/Black, Green/Black, Orange/Black, Blue/Black, Black/White, Red/White, Green/White, Blue/White

## Dimensions

Eland Part Number	Belden Alternative	No. of Cores x AWG (No. of Strands) # x AWG(#)	Nominal Diameter of Strands mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A3B8770LSFGR	8770LSF	3 x AWG18(16)	0.2	6.25	57
A3B9533LSFGR	9533LSF	3 x AWG24(7)	0.2	4.11	19
A3B9534LSFGR	9534LSF	4 x AWG24(7)	0.2	4.67	32
A3B9536LSFGR	9536LSF	6 x AWG24(7)	0.2	4.90	37
A3B9538LSFGR	9538LSF	8 x AWG24(7)	0.2	5.69	50
A3B9540LSFGR	9540LSF	10 x AWG24(7)	0.2	6.20	61
A3B9541LSFGR	9541LSF	15 x AWG24(7)	0.2	7.20	83

## Electrical Characteristics

Eland Part Number	Belden Alternative	Capacitance at 1khz pF/m	Max Conductor Resistance ohms/Km
A3B8770LSFGR	8770LSF	70	23
A3B9533LSFGR	9533LSF	108	85
A3B9534LSFGR	9534LSF	108	85
A3B9536LSFGR	9536LSF	108	85
A3B9538LSFGR	9538LSF	108	85
A3B9540LSFGR	9540LSF	108	85
A3B9541LSFGR	9541LSF	108	85

*The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.*