

# Belden 8162 Multi-Conductor Low Capacitance Computer Cables

Eland Product Group **A4B**



## Application

Used widely in audio, process control, instrumentation and computer applications where there is a need for screening from external sources and low levels of cross-talk between pairs.

## Standards

EIA RS232, RS422

## Technical Data

### Conductor

Stranded tinned copper

### Sheath Colour

Grey

### Insulation

Datalene® FPE (Foam Polyethylene)

### Voltage Rating

300V

### Screen 1

Beldfoil® (aluminium foil polyester tape)

### Temperature Rating

-40°C to +60°C

### Drain Wire

Tinned copper

### Minimum Bending Radius

10 x overall diameter

### Screen 2

Beldfoil® (aluminium foil polyester tape)

### Pair Identification

1 Pair: Black/Red  
2 Pairs: Black/Red, Black/White

### Sheath

PVC (Polyvinyl Chloride)

## Dimensions

Eland Part Number	Belden Reference	No. of Pairs x Pair x AWG (No. of Strands) # x # x AWG(#)	Nominal Diameter of Strands		Nominal Overall Diameter		Nominal Weight	
			in.	mm	in.	mm	lbs/1000ft.	kg/Km
A4B8162	8162	2 x 2 x AWG24(7)	0.032	0.812	0.343	8.712	66.00	98.22

## Performance Characteristics

Belden Reference	Capacitance (Conductor to Conductor)		Capacitance (Conductor to Shield)		Nominal Inductance	
	pF/ft.	pF/m	pF/ft.	pF/m	µH/ft.	µH/m
8162	12.5	41.0	22.00	72.16	0.228	0.748

## Electrical Characteristics

Belden Reference	Impedance ohms	Conductor Resistance at 20°C		Nominal Velocity of Propagation	Current Carrying Capacity at 25°C
		ohms/1000ft.	ohms/Km		
8162	100	24.0	78.72	78.000	1.8

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.